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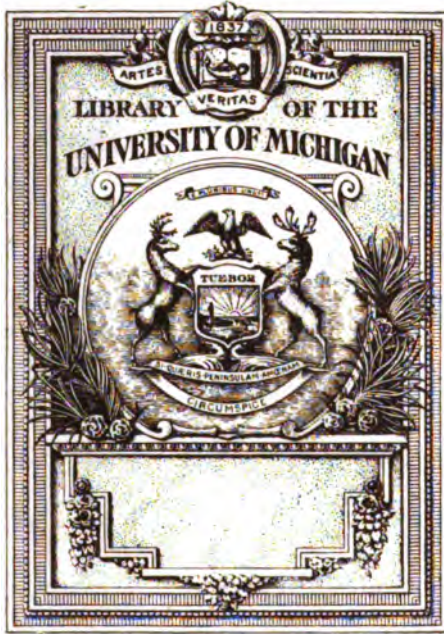
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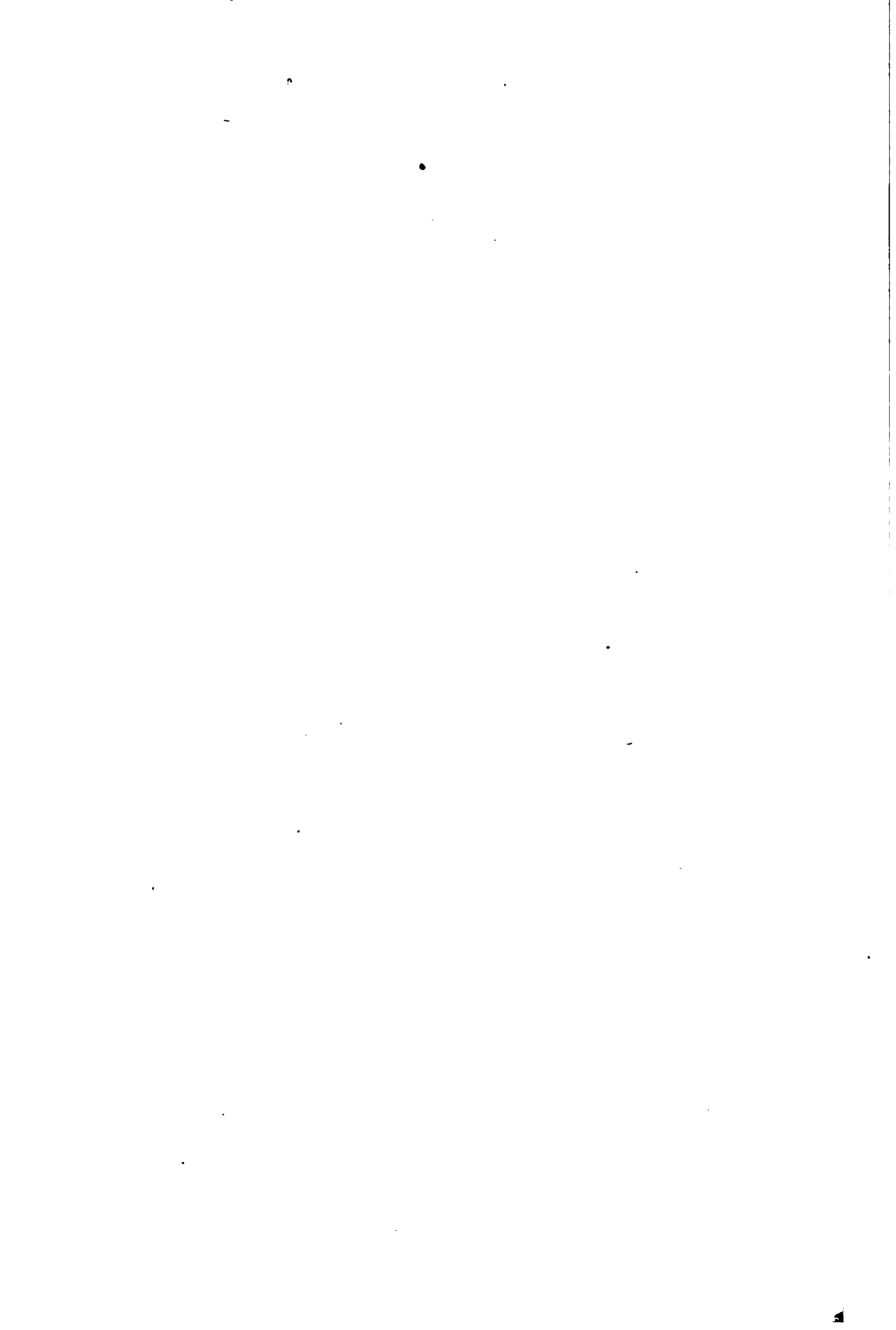
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ANNUAL MESSAGE

—OF—

H. B. RICE,

MAYOR OF THE CITY OF HOUSTON, 1910.

—AND—

ANNUAL REPORTS OF CITY OFFICIALS

FOR THE YEAR ENDING FEBRUARY 28, 1910.

=====

COMPILED BY
DAN C. SMITH, JR.,
City Controller and Secretary.

HOUSTON, TEXAS:
W. H. COYLE & CO., STATIONERS AND PRINTERS,
1910.



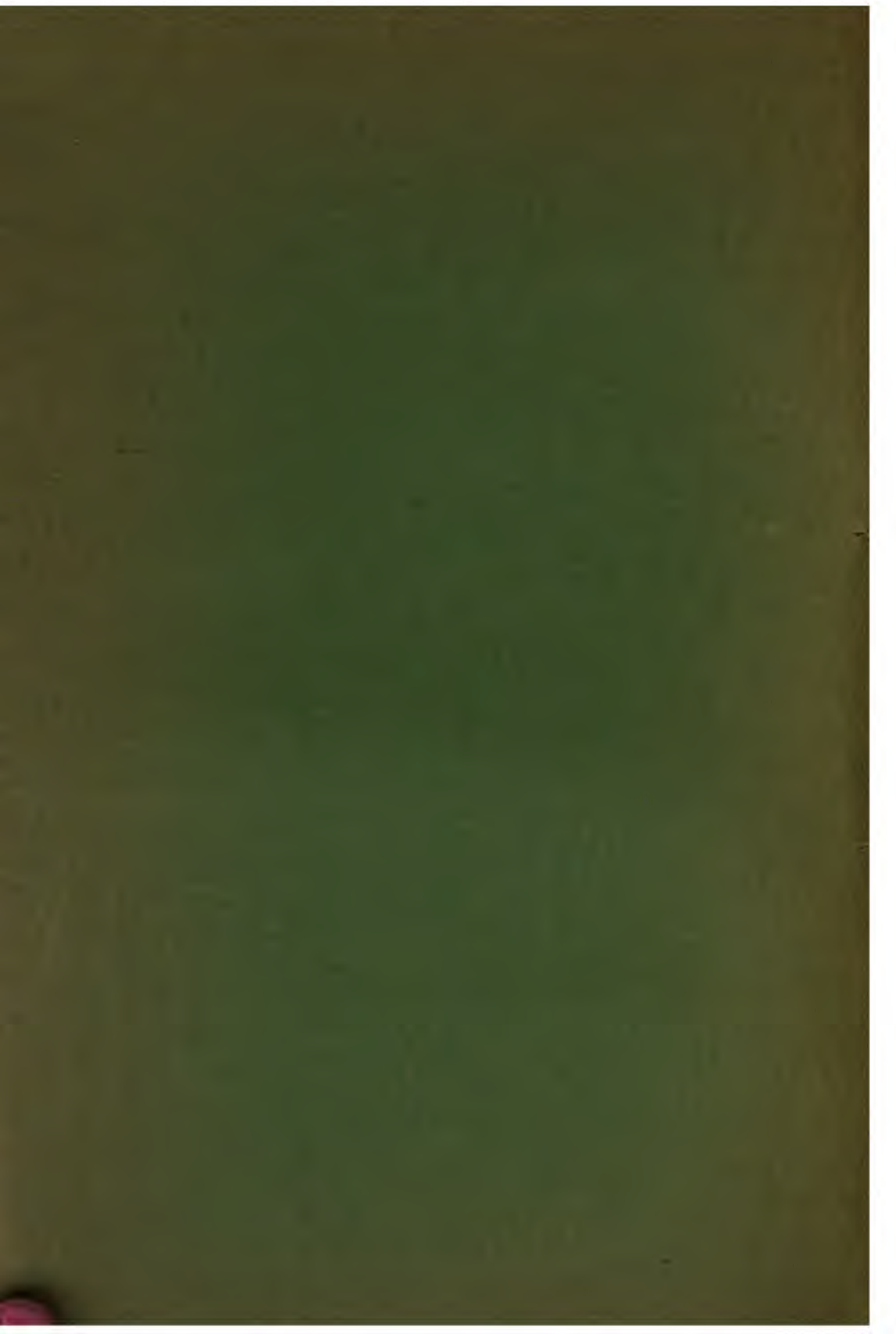
MAYOR'S
ANNUAL MESSAGE

AND

Reports of City Officers



For the Year Ending February 28, 1910



HEADS OF DEPARTMENTS

T. C. DUNN (Active Vice-President Union National Bank)	Treasurer.
D. C. SMITH, JR.	Controller and Secretary.
MISS ROBERTA COTTER.	Assistant Secretary.
JNO. A. KIRLICKS.	Judge of Corporation Court
W. H. WILSON.	City Attorney.
J. E. NIDAY.	Assistant City Attorney.
T. C. TARVER, JR.	City Engineer.
FRANK L. DORMANT.	Consulting and Constructing Engineer.
JAMES P. WELSH.	Assessor and Collector.
DR. GEO. W. LARENDON.	City Health Officer.
DR. F. J. SLATAPER.	Bacteriologist.
JOHN B. WILLIAMS.	Water Superintendent.
GEO. ELLIS	Chief of Police.
JNO. HEFFERNAN	Sewer Inspector.
W. X. NORRIS.	Building Inspector.
PAT DOUGHERTY.	Purchasing Agent.
F. J. OLLRE.	Market Master.
C. R. GEORGE.	City Electrician.
R. F. OLLRE.	Chief Fire Department.
M. MURPHY	Wharf Master.
E. R. PARKER.	Fire Marshal.

BOARD OF LIQUIDATION

F. A. REICHARDT	O. T. HOLT	ED. H. HARRELL
B. F. BONNER		H. W. GARROW

BOARD OF HEALTH

DR. JOE STUART, <i>President</i>		
DR. W. A. ARCHER	DR. SID J. SMITH	DR. J. W. SCOTT
DR. J. D. DUCKETT		DR. S. HILLEN

BOARD OF SCHOOL TRUSTEES

RUFUS CAGE, *President.*

W. H. NORRIS, *Vice-President.*

A. S. CLEVELAND, *Secretary.*

G. H. PENDARVIS.

Finance Committee

G. H. PENDARVIS

SAM SWINFORD

W. H. NORRIS

Teachers' Committee.

A. S. CLEVELAND

J. D. DUCKETT

W. H. NORRIS

Course of Study and Text-Books

S. MCNEILL

A. S. CLEVELAND

SAM SWINFORD

School Property, Purchase and Repairs

W. H. NORRIS

G. H. PENDARVIS

S. MCNEILL

Hygiene

DR. J. D. DUCKETT

G. H. PENDARVIS

S. MCNEILL

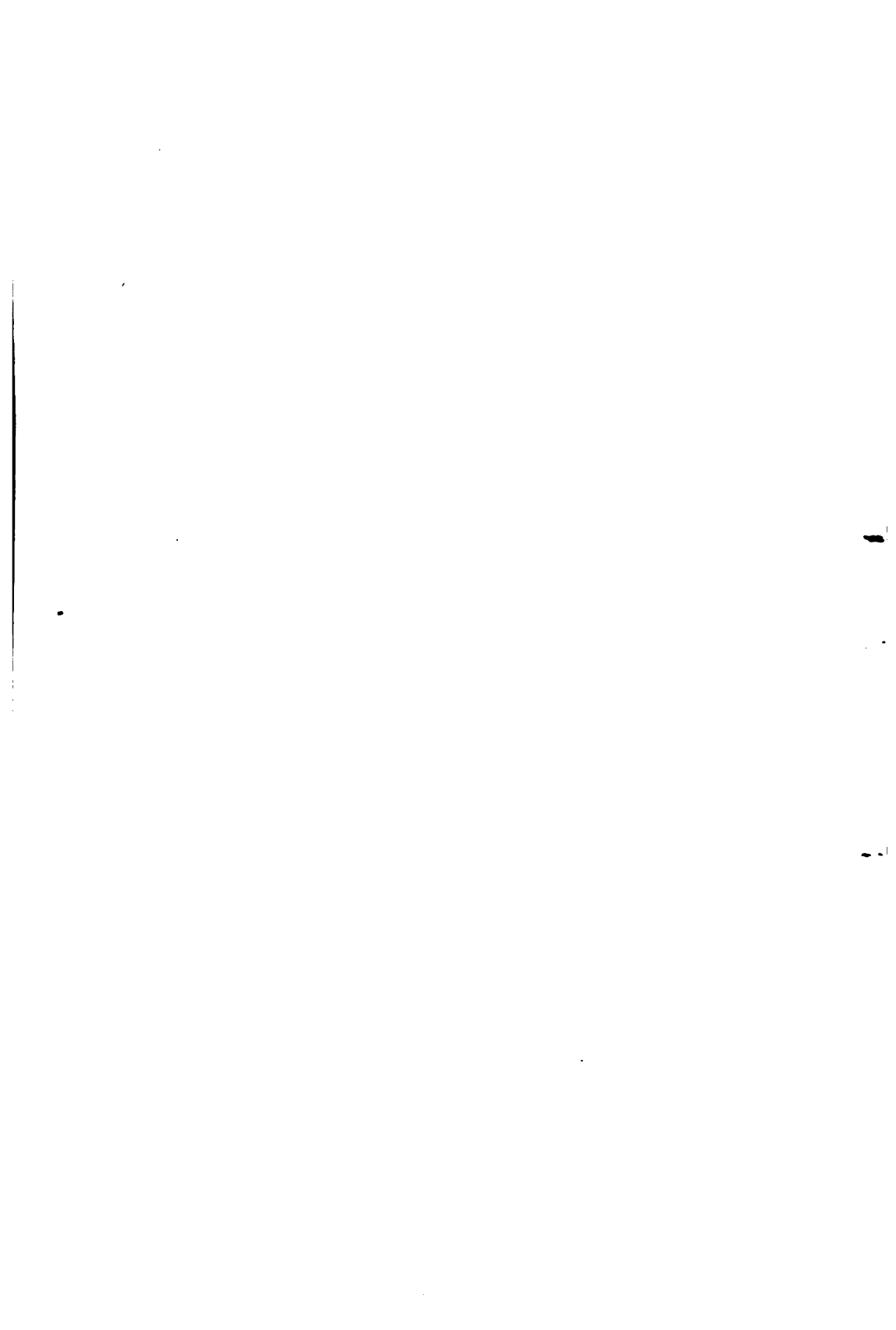
Grievances and Complaints

SAM SWINFORD

J. D. DUCKETT

A. S. CLEVELAND

W. PEINE, *Business Representative of the Board*



ANNUAL MESSAGE

OF

H. B. RICE,

MAYOR OF THE CITY OF HOUSTON.

CITY OF HOUSTON

EXECUTIVE DEPARTMENT

MAYOR'S MESSAGE

HOUSTON, TEXAS, March 14, 1910.

To the Honorable City Council of the City of Houston.

GENTLEMEN:—I herewith submit annual reports of the different departments and budget for the ensuing year.

In reviewing the past twelve months of municipal government in Houston, it must be readily admitted that the greatest period of progress and development that has ever taken place in any one year has just ended, and I heartily congratulate our people upon the bright prospects ahead of them. The investment of over a million and a half dollars in school houses, paved streets, sewers, wharves and slips, fire houses, extension of water mains, magnificent office buildings and factories, underground conduits and auditorium, emphasizes not only the progress, but presages the future of this city. Last, and of the greatest importance, the recognition by the National government of our waterway, so essential to Houston's growth and solidity, by the appropriation of \$1,250,000.00—based upon a like amount donated by our people. The proposition to appropriate \$1,250,000 by the National government for the work on our ship channel to meet a like amount by the City of Houston, came from Houston people and not from the National government.

The Rivers and Harbors Committee of the House has unanimously recommended, and the House of Representatives has adopted in their bill, this appropriation, and it is reasonable to suppose the Senate will confirm same. After the latter have acted, it is then up to the people of this county to carry out their part of the contract, and I am confident that they will do so.

In this connection I desire to state that the actual value of real and personal property in the corporate limits of Houston is about \$250,000,000, and yet we only assess same \$62,000,000, for the simple reason that we do not need more revenue for current expenses. From what I can learn and see, there is not over twenty per cent of our population that has ever been down the Houston ship channel, not from lack of desire, but from lack of transportation and opportunity.

It has been suggested, and I think the suggestion a good one, that the Launch Club of Houston inaugurate a series of trips down the channel and convey those who have never had an opportunity to see our waterway. By this method we can educate the people and show them their own natural advantages.

There is no doubt in this age the people are leaning too much towards "Paternalism." It is all right to argue that the National government should have the whole burden in this work, but there are hundreds of other places in America asking for assistance just like we, and the government cannot do it all. As the former chairman of the Rivers and Harbors Committee in the House, now Senator from Ohio, told us years ago: "Let those cities directly benefitted by government appropriation for waterways bear some of the burden." I agree with him, and if I am not mistaken, some day in the near future Houston will join hands with and tender the United States government a sufficient amount to build a rock jetty from Red Fish to Bolivar, forever settling her waterway problem, for that is her only weak point. Such a jetty is not like one projecting into the Gulf of Mexico or Atlantic Ocean. It will be in a bay, absolutely safe from all kinds of storms, and there for all time to come.

When we reflect upon these matters, when we contemplate the increased wealth and population pouring almost daily into this community, is it not enough to justify a feeling of pride and confidence in the future?

There never was and never will be a more favorable time than the present for our people to act as a unit in the development of their city and broaden their views in conformity with scope and requirements.

Those who study and think of our natural advantages and topographical position in this State, readily understand that we must commence to lay the foundation for one of the greatest cities on the Gulf Coast. In the construction of sewers, both sanitary and storm, in the extension of water mains, and the preservation of the water supply, we must work with the view of having not less than 250,000 population or more in the next ten years.

According to the scholastic census, Houston has increased in population over forty per cent in the past four years; hence we can readily see the growth of this city.

The time has come when we must have more parks and playgrounds for the children. Property is becoming so valuable that unless prompt steps are taken, it will be almost beyond our means of obtaining same. I favor the creation of a Park Committee for this purpose, composed of three citizens—we to render all possible assistance.

In order to create an increased civic pride in this community, I suggest that the matter be brought to the attention of the school authorities, and thus imparting same to the children, secure most beneficial results.

I respectfully recommend that the salaries of the firemen and policemen be raised. The price of living has increased so rapidly that such an increase would be just and commensurate with common sense, the salary of the policemen to be made \$80.00 per month instead of \$75.00, and that of the firemen as recommended in the schedule of the Fire Commissioner. Owing to the growth of this city we added twelve men to the police force during the year.

Acting upon the advice of the Underwriters' Association the Fire Department was increased to one hundred men, and additional fire houses and apparatus have been provided in order to secure reasonable insurance rates.

From the bond fund and general revenue many miles of water mains were extended during the year, and a first-class pumping engine added to the power plant. These extensions and improvements, having been completed, you wisely reduced the water rate, which I think will compare favorably with that of any city of this size whose source of supply is from artesian wells.

Owing to the demand from new territory for bridges and drainage, the Street and Bridge Department was compelled to expend some thousands of dollars in excess of the budget, but the work was imperative and had to be done.

It is absolutely necessary that a new pumping station and filter beds be constructed south of the city. The present plant is large enough to accommodate the north side of Buffalo Bayou, and it would be unwise to syphon under the bayou below Houston, on account of the water traffic. This improvement should be made promptly to give relief to those people who have no sanitary sewers. Engineer Dormant in his report estimates the cost of this proposed work.

The construction of the ten-foot Austin Street storm sewer is now progressing nicely, and when completed will furnish drainage for a large area on the south side of the city. This is the largest work of the kind yet undertaken in Texas and it would benefit all citizens to examine this construction.

I am pleased to state that the work of dredging the slips at the "Turning Basin" has been rapidly pushed and in a few months will be completed.

It is necessary that a new modern bridge be constructed over Buffalo Bayou at San Jacinto Street. Traffic has increased so rapidly between the north and south sides of Buffalo Bayou that the sooner this bridge is completed the better. You have adopted the splendid plans of the Con-

sulting Engineer, and I recommend commencement of the work.

For the same reasons, bridges should be placed over White Oak Bayou on Houston Avenue, and over Buffalo Bayou on Preston Avenue. All of the above bridges should be constructed of concrete, making them permanent, thus reducing the cost of maintenance.

AUDITORIUM.

During the past fiscal year the government purchased seven lots of ground, in the heart of the city, for an auditorium, and recently let a contract for the building of same at a cost of \$235,000.00. I believe when completed this structure will prove of much benefit to the people at large. This improvement will be made out of the general fund without bond issue.

SHELL STREETS.

Some months ago, under the promise of the city to pave certain streets with shell, if the property holders would construct curbing at their own expense, a number of our people complied with their part of the contract, and I suggest that we take immediate steps to comply with ours.

EIGHT-HOUR DAY.

I congratulate you on the passage of the ordinance curtailing the hours of work for city employes and the governing of same in city contracts. The financial condition of Houston at the present time justified the measure.

FINANCIAL CONDITION.

From a perusal of the Controller's report you will notice that the city is in good financial standing, over \$300,000 having been invested in permanent improvements during the year out of the general revenues.

HARMONY IN DEPARTMENTS.

I wish to congratulate the Council on the harmony and good will existing in all departments and the pleasant relations existing between myself and the various heads of this municipal corporation. This is as it should be, and means that everyone takes an interest in his work.

SCHOOLS.

During the past year your honorable body constructed a handsome annex to the High School and other improvements at considerable cost. Our schools are in fine condition and I suggest you make such additional facilities the coming season as your means warrant.

MAIN STREET BRIDGE.

For the past several years citizens living on the north side of Buffalo Bayou, or in the vicinity of Montgomery Avenue, as well as some on the south side of Buffalo Bayou, because of lack of transportation facilities, have agitated the question of a viaduct across the bayou at Main Street. They claim that the innumerable railroad tracks along the present route prevents proper facilities between the sections of the city.

There is no doubt that such a viaduct would add greatly to the convenience of the city, hence I suggest that as the current revenue for the coming fiscal year will be absorbed in other permanent improvements, that a committee from that section of the city and one from the Business League, meet with the City Council, and see if ways and means cannot be adopted by which the construction of this viaduct could be accomplished at an early date, instead of waiting for some years to come. I am confident that if this meets with approval, that the viaduct can be constructed and facilitate the intercourse between our citizens.

TAXES.

I recommend that the tax levy for the ensuing year be placed at \$1.70 per hundred dollars.

BUDGET.

The annual budget for the different departments is respectfully submitted:

Mayor and Commissioners.....	\$ 13,600.00
Controller and Secretary.....	5,750.00
Law Department.....	10,500.00
Treasurer	620.00
Assessor and Collector.....	13,500.00
City Hall	3,000.00
Election	1,000.00
Damages	1,000.00
Interest on Bonds.....	222,400.00
Miscellaneous Expenses.....	15,000.00
Electric Lights.....	50,000.00
Police	100,000.00
Corporation Court.....	1,900.00
Fire Department.....	100,000.00
Health Department	16,000.00
Scavenger Department.....	13,000.00
Electrical Department	5,500.00
City Engineer.....	12,000.00
Streets and Bridges.....	85,000.00
Sewer Department	25,000.00
Garbage Department	16,000.00
Market Department	7,000.00
Schools	140,000.00
Parks	9,000.00
Carnegie Library	9,500.00
Storrie Certificates	10,300.00
Refunding Certificates	21,000.00
Mayor's Emergency	1,000.00
Buffalo Bayou	20,000.00
Total	\$926,570.00

WATER DEPARTMENT.

I recommend that the annual budget for the Water Department be made as follows:

General Expenses	\$ 80,000.00
Interest	55,000.00
Sinking Fund	28,000.00
Total	\$163,000.00

Very respectfully,

H. B. RICE,
Mayor.

ANNUAL REPORT

OF

J. Z. GASTON,

***CHAIRMAN FINANCE AND REVENUE
COMMITTEE,***

For the Year Ending February 28, 1910.

REPORT OF FINANCE AND REVENUE COMMITTEE.

HOUSTON, TEXAS, March 10, 1910.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—The Finance and Revenue Committee herewith submits its annual report for the year ending February 28, 1910, together with the reports of the departments under the supervision of this committee. All the departments have worked harmoniously and together for the best interest of the city, as shown by the several reports.

The result of the year's work, as evidenced by the Controller's books, shows available cash on hand \$582,832.21 (not including \$29,884.00 placed in sinking fund during the past year). Accounts receivable amounting to \$430,281.98, including uncollected taxes \$380,769.78, water bills \$40,898.92, miscellaneous items \$8,613.28, making a total available assets of \$1,013,114.19. Against which we have current liabilities, consisting of warrants outstanding, \$76.31; unclaimed wages, \$640.58; special deposits, \$2,595.40, and \$57,818.62 representing accrued but not due interest on bonded debt, making total of \$61,130.91. In this connection we wish to call attention to the fact that current liabilities as compared with same date last year shows a reduction of \$52,882.02. In fact the city has no current liability that is not already provided for with cash in hands of the Treasurer.

The general revenues for the fiscal year show an excess over operating expenses of \$339,203.42, after taking up outstanding paving certificates, amounting to \$23,952.91, and Storrie certificates amounting to \$10,600.00. There

has been expended from general revenues, for permanent improvements, \$349,968.31, as evidenced by Controller's report (Exhibit B—Schedule No. 5), which is an itemized statement of this disbursement.

CITY HALL.

To handle the increased business of the Assessor and Collector's office there has been added new fixtures extending across and taking in one end of room of the Assessing Department; the vault has been repainted and new steel cases added.

The Assembly Room has been subdivided and one-half fitted up for the Consulting Engineer's Department.

It will be necessary to make some repairs in the heating arrangement of the hall the coming year.

We recommend that a fireproof vault be built of sufficient capacity to take care of the valuable papers and documents in the Controller's, Secretary's, Health and City Attorney's offices. The other offices are amply supplied with vaults.

MARKET.

Our market is one of the most attractive places of our city and is continually crowded with visitors and buyers. All of the stands are rented by good tenants, who keep their places orderly, clean and neat. This department has just received a thorough overhauling, rewiring for lighting purposes, repainting throughout and screening of all doors and openings. Revenue for the year from rents amounts to \$19,936.30, an increase over last year of \$802.55; the expense of operating and repairs \$9,885.56, leaving a net balance of \$10,050.74.

HOUSTON LYCEUM AND CARNEGIE LIBRARY.

This popular institution still grows in favor with our people, and the report hereto attached of Miss Ideson, Librarian, is very interesting and instructive.

PARKS.

The difference between the city with parks and the city without parks is the difference between the home with the large, well-kept lawn, dotted with flowers and shrubs, and the squalid tenement which fronts on a back alley strewn with tin-cans and other trash.

While philanthropists, altruists and sociologists may deplore the tenement and expend much oratorical energy in their efforts to bring about a change, the fact remains, nevertheless, that with the growth of a city along comes the squalid tenement with its want-pinched children, whose playground is the back alley, and city builders have come to recognize that a vital need along with their building is the public playground. This need is as vital as the paving of streets, the lighting of them and keeping them clean, the building of bridges, providing for police and fire protection, making provision for an adequate water supply and the erection of school buildings and maintenance of a school system.

The people must be provided with playgrounds, and while we could hope that Houston will never have a congested tenement district, we recognize that Houston must become a great city, and we must strive to meet actualities—to provide for the inevitable.

In striving to anticipate future needs, Houston has become the owner of three large parks, embracing a total of 87½ acres. Sam Houston Park contains 16 acres; the annex to the park 13 acres, and is situated within six blocks of the center of the city and within easy walking distance of several car lines. It is abundantly equipped by nature with all the requisites for a playground, landscape artists having given a finishing touch, making of this one of the prettiest parks in the country.

Cleveland Park embraces 56 acres, and in the center of it is a lake that covers three acres. It abounds in forest trees, level vales and rolling hills, and is altogether an ideal picnic ground. This park skirts the western edge of the city, in a

district which has become thickly populated during the past few years. This park embraces a very valuable tract of land. The property was purchased less than four years ago for \$55,000, and the city could now double her money if it was deemed advisable to make such a deal. As the years pass the property will rapidly enhance in value, and the wisdom of the purchase will become more and more emphasized as this park meets the demand for playgrounds.

Elizabeth Baldwin Park, given to the city by Mrs. Elizabeth Baldwin Rice, is located in the southern portion of the city and contains 2½ acres. True, it is not a large park, but being situated in a district with homes with large lawns, it will meet the park requirements of that end of the city.

The popularity of Sam Houston Park during the past year is indicative of the vital need in Houston even now of a public playground where the people may go to spend an afternoon or evening during the heated summer term. During the summer free concerts were provided twice weekly, and thousands of men, women and children attended each concert. The park is open all day and until 9 o'clock every night, and is under strict police regulation. Women and children are as safe from contact with ruffianism in this park at all times as they are within the precincts of their own homes, and recognizing this they have come to make the park a gathering place in the afternoons and evenings even on the days that there is no music.

Many improvements have been made in this park during the past year. Wooden steps along the terraces have been replaced with stone, the several bridges have been placed in thorough repair, while the care of the flowers and shrubs, the terraces and the tiny heart-shaped lake in the midst of the park have been such as to cause much favorable comment from all visitors.

This park abounds with emblems which breathe the heroic history of the nation and of the State. They are instructive as well as entertaining.

Opposite the entrance to the park, in a small chapel tower, is the bell of the steamer Harriet Lane, a vessel which was

sunk in Galveston Bay during one of the most brilliant engagements of the war between the States. This bell, while serving the useful every-day purpose of chiming the opening and closing hours of the park, and while telling of a heroic struggle on the deep, also has an interesting local history.

Formerly it was in the High School and tolled the children to their books and to the recess play. Later it was transferred to the Fannin School and when the school building was burned, this bell, a second time having come through the furnace, fell into the possession of the contractor who cleared away the debris and was claimed by him as his property, and became lost as a memento.

A committee from Robert E. Lee Chapter, United Daughters of the Confederacy, of which Mrs. J. W. Scott was the chairman, instituted a search for the lost bell, which was finally located. It was then presented to the city by the Chapter amid appropriate ceremonies. The chapel was erected and there the bell has rendered daily service ever since.

Another interesting monument is "The Spirit of the Confederacy," which was erected by Robert E. Lee Chapter, United Daughters of the Confederacy, and dedicated to the memory of the soldiers who fell in the defense of the Southern States. It is a bronze winged figure standing on a rugged pile of Texas granite, emblematic of the enduring reverence of the people of this land for those brave men who fought for what they felt was right. The sculptor was Mr. Louis Amatias, of Washington, D. C., and the monument cost \$10,000.

"The Hero of Two Republics" is a handsome boulder of pink Texas granite erected to the memory of the heroes of the Revolution, and especially to the memory of Alexander Hodge, who was in truth a hero of two republics. After fighting through the war of the Revolution he removed to Texas and fought through the war of Texas Independence in 1836. He was an ancestor of Mrs. Seabrook Sydnor of this city. This handsome and historic pile was erected by the Lady Washington Chapter, Daughters of the American Revolution.

Terry's Texas Rangers, still another boulder, is that erected by children to the memory of the heroes of the "Lost Cause." This handsome pile was erected by E. Bennett Bates Children's Auxiliary to Oran M. Roberts Chapter, U. D. C. This monument was unveiled with elaborate ceremonies on October 20, 1909, during the convention of the General Association of the United Daughters of the Confederacy. The inscription on the monument is cut on a bas relief of the Texas Flag as a background. The money for the purchase of this monument was raised entirely by children. The inscription is as follows:

"Erected by E. Bennett Bates Auxilliary of
Oran M. Roberts Chapter, U. D. C., of Houston,
Texas, to the memory of Terry's Texas
Rangers, '61-65."

The budget allowance for park maintenance and amusements for the past year was \$9,000.00. The expenses were as follows:

Sam Houston, maintenance	\$4,521.89
Sam Houston, band concerts.....	3,175.00
Cleveland, maintenance	770.20
Total expenditure	<u>\$8,467.09</u>

The revenues from the parks were as follows:

Sam Houston	\$267.00
Cleveland	296.25
Total	<u>\$572.25</u>

This shows a net increase of operating the parks of \$7,894.84, or an outlay of \$1,105.16 less than the budget allowance.

BUDGET.

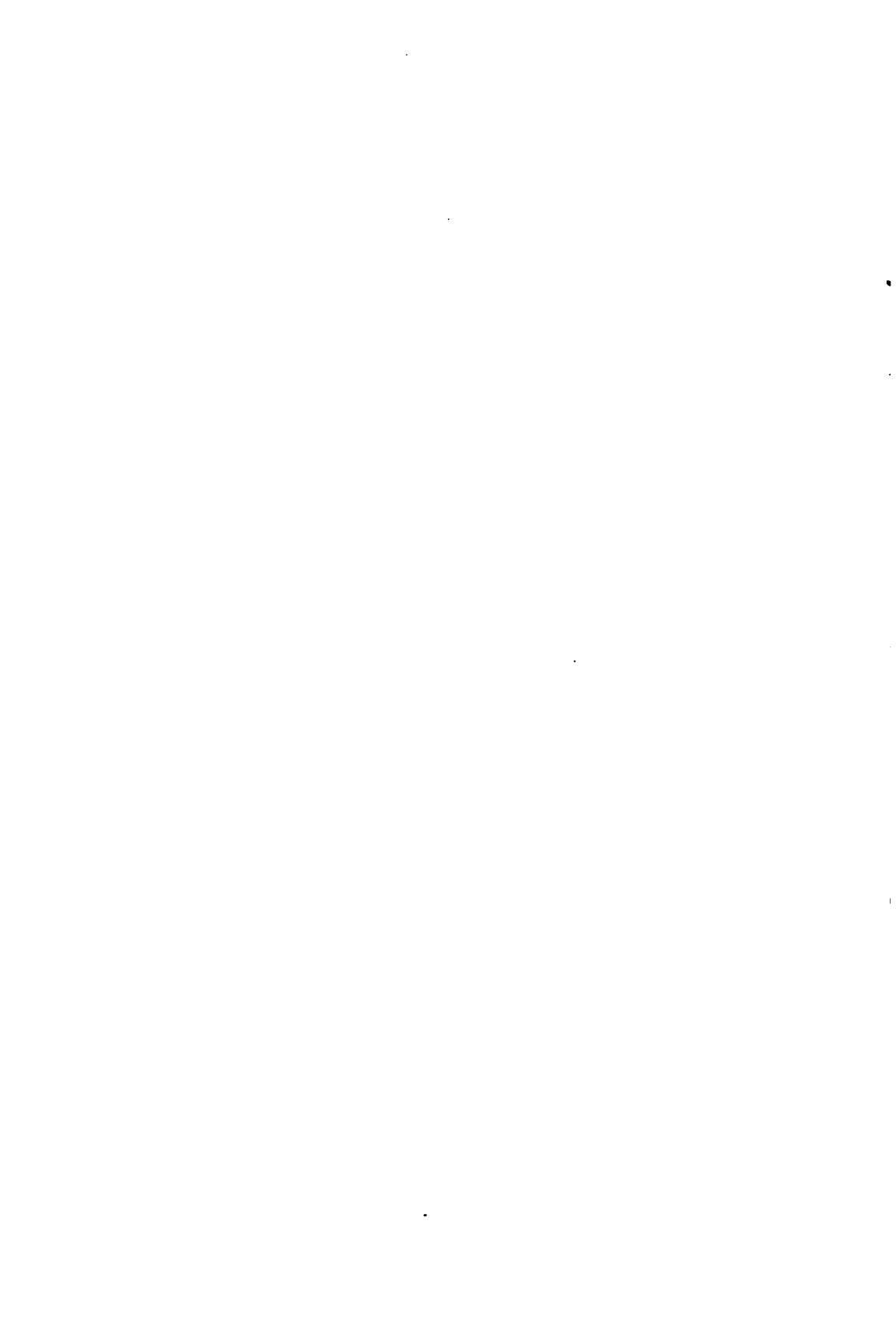
We recommend the following budget allowance for departments of this committee for the coming year:

Treasurer	\$ 620.00
City Hall	4,000.00
Assessor and Collector.....	15,000.00
Market	7,000.00
Controller and Secretary	6,200.00
Sam Houston Park.....	5,000.00
Cleveland Park	1,000.00
Park Concerts	3,000.00
Carnegie Library	10,000.00

Respectfully submitted,

J. Z. GASTON,

Chairman Finance and Revenue Committee.



ANNUAL REPORT

OF

R. L. JONES

CHAIRMAN WATER COMMITTEE

For the Year Ending February 28, 1910.

REPORT OF WATER COMMITTEE.

HOUSTON, TEXAS, March 1, 1910.

TO THE HONORABLE H. B. RICE,
Mayor of the City of Houston, Texas.

DEAR SIR:—As Chairman of the Water Committee, I herewith respectfully render to you and your Honorable Board the annual report of this department for the fiscal year ending February 28th, 1910.

You will please find herewith attached the reports of the Superintendent, Chief Engineer and Cashier, designated Exhibits "A," "B" and "C," respectively. Collectively these three reports cover in detail all the transactions of the Water Works Department for the past year, and a detailed description of the present condition of the system. The reports bear my approval and substantiation in every detail and I trust will meet with your approval also.

The fiscal year just closed has been a remarkably active one in waterworks affairs, and the gratifying results will certainly earn the approval of the administration and the general public.

It will not be necessary for me to dwell additionally upon the work already performed, but I desire to present a few suggestions and recommendations for the coming year.

The rapid growth of the city creates a crying need for water main extensions amounting to at least ten miles a year, with appurtenances. The estimated cost will amount to \$60,000.00, and I recommend that this amount be provided and rendered available for immediate use.

I am pleased to state here that at no time during the unusual drought of midsummer did we suffer any water shortage whatever. However, on account of the large number

of new consumers, present and prospective, I suggest that we drill five more 8-inch artesian wells at the pumping plant, same to be paid for out of our current revenue.

The plan of delivering water by meter measure has produced such satisfactory results, both to the consumers and this department, that I recommend metering at once all service connections supplying other than strictly private domestic premises, and the balance of all consumers just as speedily as the financial condition of the department will permit. All metered consumers are now practically employees of the Water Department, each serving as water inspector on his own premises.

The sum of \$80,000.00 will be necessary for operative and management expenses for the coming year, and I recommend that this amount be appropriated from the general fund for this purpose.

The problem of "pumping capacity" having been solved and eliminated by the installation of a new 15,000,000-gallon pump, the department is prepared to devote special attention to water main extensions and water conservation during the coming year. The idea will be to furnish mains and service connections necessary to deliver and encourage the use of pure artesian water for all legitimate purposes, and to discourage and prevent all unnecessary waste.

During the past year 93,253 feet of new mains, ranging in size from 8 inches to 24 inches, were installed to supply the rapid increase in population. These extensions were made in localities where fire protection and pure water for general supply were needed, and, incidentally, where the general circulation of the system could be improved by connecting dead ends and low places. The city is now supplied with pure artesian water exclusively, the best water in the world for all purposes, through a perfect circulating system.

It is regrettable that a certain percentage of the people who should be benefitted by the new extensions have failed to appreciate the consideration and efforts extended for

their benefit and choose to remain non-consumers of city water. However, it is pleasant to note that this percentage is decidedly in the minority and will not influence this department in our continued efforts for the common good.

The electric power machinery at the pumping station has been in service for more than fifteen years and is too small for present purposes. I recommend that it be replaced with a new engine and dynamo at an estimated cost of \$2,500.00.

To conform to the systems of account now in vogue in most of the municipal departments, I suggest that the books of this office be audited and the Haskins & Sells system of accounting be established for future use.

On behalf of the Water Department and myself I desire to embrace this opportunity to extend our thanks to you and my fellow-commissioners, and to the heads of the several municipal departments, for your encouraging co-operation and courtesies during the past year. We beg to assure you that you can rely upon this department at all times in your administrative efforts toward a "Greater Houston."

Respectfully submitted by

ROBT. L. JONES,
Water Commissioner.

HOUSTON, TEXAS, March 1, 1910.

HON. ROBERT L. JONES,
*Chairman of the Water Committee,
City of Houston.*

DEAR SIR:—The annual report of the Water Works Department for the year ending February 28th, 1910, is herewith respectfully submitted.

The prominent features to which your attention is invited relate to the increase in population, revenue, pipe-mileage, pumping capacity and fire protection, and to the decrease in per capita pumpage, total pumpage, fuel consumption and the selling price of water.

Respectfully,

H. J. ARRIVEE,
Superintendent.

**EXHIBIT "A."
REPORT OF THE SUPERINTENDENT.**

CONSTRUCTION.

MAINS.

At a cost of \$112,532.56, there was installed during the year 4,423 feet of 24-inch, 8 feet of 20-inch, 12,418 feet of 12-inch, 76,372 feet of 8-inch and 32 feet of 6-inch mains, a total of 93,253 feet. The system now embraces a total of 94.6 miles, an increase of 23% since the year previous. A map showing the locations of both old and new mains has been prepared and is a part of this report.

FIRE PROTECTION.

The new mains installed include the setting of 128 new three-nozzle fire-hydrants, making a total of 816 and increasing the fire protection 18½%.

PUMPS.

A new Nordberg horizontal pump, with a daily capacity of 15,000,000 gallons, has been in operation since last November. This pump has proven capable of handling the total daily consumption with plenty to spare, and is saving about 39% in fuel oil. The Chief Engineer's report, on another page, covers this item in detail.

METERS.

Eight hundred and forty new meters were purchased during the year. At present there are 1,641 city meters in service and 277 on hand ready to be installed. A series of tables are included in this report, which show in detail all of the transactions for the past year, and the present status of the Meter Department.

SERVICE CONNECTIONS.

Four hundred and sixty-eight new services, tapped to supply 1,420 new buildings, were installed during the year—making a total of 6,726 connections, supplying 8,831 houses and buildings. A net gain of 19% for the year.

REPAIRS.**MAINS.**

It was deemed necessary to repair seventeen stop-gates, which had been out of order for several years, and were of no value in that condition. Most of them were located in the business district and doubled or tripled the fire risk during repair work when it became necessary to cut off water from the mains. We are now prepared to repair a single fire hydrant without putting a dozen or more temporarily out of commission. It was necessary also to cut the mains in several different places and insert extra stop-gates in order to control the conveyance of flow and volume in case of big fires in the business district. All of the regular employes are now drilled in the work of conveying the large volume of water to a fire while the balance of the city is being temporarily supplied through smaller pipes. I am pleased to report that we have always had an abundance of water at the steamer plug at every fire during the past year, and that we will continue to be amply prepared in the future.

The 6-inch main on Franklin Avenue became so badly carbonated by electrolysis that it was necessary to renew 300 feet near La Branch Street. This line is still bad in spots, but as it is holding pressure at present I suggest that we wait the outcome of the Houston Electric Company's experiments to obviate this trouble.

About 75% of our street repairs are traceable to two causes: First—Electrolysis attacking our mains and service connections. Second—Allowing street sprinklers and others to operate the fire hydrants. Both of these causes can be removed with profit to this department.

BUILDINGS AND MACHINERY.

With the exception of the new brick walls and foundations at the air compressor annex, all of the buildings and machinery repairs have been of a minor nature, making up in number what each repair lacks in magnitude. During

the past year there has been more miscellaneous repairing at the pumping plant and over the system than has been done any previous three years all told, such as repairs to foundations and walls, re-calking joints, replacing old fire-hydrants with modern ones, repairing stop-gates and adding new ones, installing new meter testing device, lowering shallow mains, etc., etc. All of which add to the efficiency and asset value of the system.

METERS.

About 90% of the meters are new and the repairing consists chiefly in cleaning. This is caused by the fine sand particles from the artesian wells lodging in the meter between the disk and measuring chamber and causing loss of registration while not damaging the meter itself to any great extent. The greater portion of the sand usually settles and remains at the bottom of the main pipe and does not get to the meter, or consumer, until an increased velocity of flow occurs to stir it up, generally caused by fire steamers pumping water from the main.

SERVICE CONNECTIONS.

Seven hundred service connections were repaired during the year; of this number only about 20% were damaged by electrolysis, which is a very material decrease since the previous year, and indicates that the street car company is making effective efforts to remedy this trouble. Damage to curb-cocks and pipe immediately adjacent to same is an item of repairs too numerous to tolerate and should be discontinued by locking the curb-cock against its being tampered with by any other than this department, and requiring that each service connection be equipped with an extra stop and waste cock set inside of the property line for cutting off water to prevent freezing and for making repairs. Curb-cocks are not made for every-day use and are so constructed as to be limited to the number of turns they will stand without leaking. They are made entirely of metal, without any gasket or packing, and are intended for the

1000

use of the Water Department to control the flow at the curb and thereby save the time and expense of digging up the main in the street to cut off water. Being made without any deteriorating material, they will last a great many years if properly used. An ordinance providing a penalty for tampering with the curb-cock should be added to the ordinance, rules and regulations.

PUMPAGE.

Year.	Population.	Gallons per day per capita.
1904.....	61,000	163.6
1905.....	66,000	162.8
1906.....	71,000	155.0
1907.....	78,000	130.0
1908.....	82,000	110.0
1909.....	90,000	100.0
1910.....	100,000	85.0

The above figures show what the city is accomplishing in water waste detection. Since the beginning of city ownership, October 1, 1906, the per capita pumpage has been reduced from 155 gallons to 85 gallons per day, a net saving of 43%, with less than 18% of our consumers supplied through meters. However, there is still a big margin of waste unaccounted for, and I recommend that extensive meter setting be continued, and also the purchase of one or more petometers for checking waste and leaks over the system. The department is prepared to make petometer tests without employing experts or any additional help. Everyday observation and investigation shows that there is still a big waste to be located and checked in order to bring the per capita pumpage down to about 60 gallons per day, which is approximately the amount necessary to adequately supply the city for all purposes. Diagrams "A," "B," "C" and "D," herewith included, give a detailed history of pumpage and its relation to fuel oil consumption from 1902 to 1909 inclusive.

EXPENSES.

The increase in ordinary expenses over the year previous is accounted for by the increased clerical and inspection force employed at locating leaks and waste, reading meters,



collecting delinquent bills, locating non-paying customers, etc. The result is a very marked increase in gross revenue, a decided reduction in pumpage and fuel oil consumption, and a more equitable basis of charges to flat rate consumers. This work is still incomplete and will be continued during the coming year.

REVENUE.

The moral influence established by general meter installing is accountable for a greater saving of water than is the actual number of meters in service. Less than 18% of the total number of consumers are supplied through meters, and the saving amounts to more than 40% in per capita pumpage. Few people waste water intentionally and only need to realize what the small and apparently inappreciable leak amounts to and they will usually stop it voluntarily without any urging from the Water Department. The policy of discriminate meter setting has created an educated public and a condition which has enabled the department to cut the selling price of water from 50 cents to 15 cents per 1,000 gallons in less than three years time, at the same time increasing both the gross and net revenue without deviating from the policy of absolute self-sustenance independent from any assistance from the general taxes. The cashier's report includes all the items of receipts and disbursements and shows a balance in favor of net earnings. To this balance should be added the value of water furnished free for fighting fires, sprinkling streets, flushing sewers, supplying schools, charitable institutions, parks, fountains, water troughs, etc. The one item of fire hydrant rental alone is saving the city \$28,480.00 annually. The total saving amounts to more than \$70,000.00 annually.

STATISTICS.

The following condensed report is compiled in standard form generally approved by water works systems.

GENERAL STATISTICS.

- (1) Population (estimated), 100,000.
- (2) By whom owned: The city.
- (3) Source of supply: 46 artesian wells. Diameter, 4" to 12". Depth, 200' to 1,330'. Average, 757'. Auxiliary supply (emergency), Buffalo Bayou Ship Channel.
- (4) Mode of supply: Deep well pumps and air compressors.

PUMPING STATISTICS.

- (1) Builders of machinery. Worthington, Ingersoll-Rand, Nordberg & Hooker.
- (2) Fuel: Fuel oil.
- (3) Oil consumed for the year, 39,408 barrels.
- (4) Total pumpage for the year with slippage, 3,197,477,010 gallons.
- (5) Average static head against which pumps worked, 138.20 feet.
- (6) Average dynamic head against which pumps worked, 30.0 feet.
- (7) Average gallons water pumped per barrel oil, 80,632 gallons.
- (8) Cost of pumpage figured on current expenses, \$70,392.44.
- (9) Cost per 1,000,000 gallons pumped, \$22.33.

RECEIPTS FOR THE YEAR.

(1) From Bond Issue.....	\$104,129.17
(2) From Flat Rates.....	141,038.51
(3) From Meters	70,802.39
(4) For Service Connections.....	9,835.05
(5) For Repairs	1,455.56
(6) For Miscellaneous	288.00
Total receipts.....	<u>\$327,548.68</u>

EXPENDITURES FOR THE YEAR.

(1) Operation (management and repairs).....	\$ 70,392.44
(2) Interest on bonds.....	54,220.00
(3) Extension of mains	112,532.56
(4) Extension of service connections.....	8,026.20
(5) Extension of meters	17,774.06
(6) Extension of pumps	45,020.75
(7) Extension of buildings.....	3,688.30
(8) Extension of miscellaneous	4,789.87
(9) Supplies on hand.....	9,579.14
Total expenditures.....	<u>326,023.32</u>
Net balance.....	\$ 1,525.32
Net cost of works to date.....	\$1,211,404.94
Bonded debt at date.....	1,001,000.00
Average rate of interest.....	5.416%



STATISTICS OF CONSUMPTION OF WATER.

- (1) Estimated total population to date, 100,000.
- (2) Mains extended during the year, 93,253 lineal feet.
- (3) Total consumption for the year, 3,197,477,010 gallons.
- (4) Passed through meters, 415,672,011 gallons.
- (5) Percentage of consumers metered, 13%.
- (6) Average dally consumption, 8,760,211 gallons.
- (7) Gallons per day each inhabitant, 87.6.
- (8) Cost of supplying water per 1,000,000 gallons, figured on maintenance, \$22.33.
- (9) Total cost per 1,000,000 gallons, figured on maintenance and interest, \$39.45.
(8% metered March 1, 1909, and 18% metered March 1, 1910.)

STATISTICS RELATING TO DISTRIBUTION SYSTEM.

Mains.

- (1) Kind of pipe, cast iron.
- (2) Sizes, 4" to 24".
- (3) Extended during the year, 93,253 lineal feet.
- (4) Discontinued, 330 lineal feet.
- (5) Total now in use, 94.62 miles.
- (6) Cost of repairs per mile, \$10.80.
- (7) Number of leaks per mile, 0.36.
- (8) Number of fire hydrants added during the year, 128.
- (9) Number of fire hydrants now in use, 816.
- (10) Number of stop-gates added during the year, 127.
- (11) Number of stop-gates now in use, 981.
- (12) Number of blow offs, 2.
- (13) Range of pressure on the mains, 22 to 50 pounds.

SERVICES.

- (1) Kind of pipe, lead, galvanized and cast iron.
- (2) Sizes, ½" to 6".
- (3) Extended, 10,828 lineal feet.
- (4) Discontinued, 1,050 lineal feet.
- (5) Total now in use, 141,246 lineal feet.
- (6) Average length of each service, 21 feet.
- (7) Average cost, \$17.15.
- (8) Number added during the year, 468.
- (9) Number now in use, 6,726.
- (10) Percentage of services metered, 18%.
- (11) Percentage of receipts from metered water, 33 1/3%.

Respectfully submitted,

H. J. ARRIVEE,
Superintendent.

TABLE NO. 1.
METERS OWNED BY THE CITY.

Sizes	$\frac{1}{4}$ -in.	$\frac{3}{4}$ -in.	1-in.	1 $\frac{1}{2}$ -in.	2-in.	3-in.	6-in.	Total
Owned previous to Feb. 28, 1908.....	285	303	214	82	69	0	0	954
Bought during year.	400	265	95	30	50	0	0	840
Received in exchange	100	50	30	0	0	0	0	180
Totals.....	785	618	339	112	119	0	0	1,974
*Scrapped during the year.....	0	1	4	4	4	0	0	13
Sold during year...	0	0	0	0	2	0	1	3
†Returned, exchange	0	0	0	0	40	0	0	40
Totals.....	0	1	4	4	46	0	1	56
Owned by the City Feb. 28, 1910.....	785	617	335	108	73	0	0	1,918

*The 13 scrapped meters were old obsolete types, too badly worn to repair.

†Being overstocked with 2" meters, 40 were returned to the factory and 180 smaller sizes were received in exchange.

TABLE NO. 2.
NUMBER OF METERS SET MONTHLY, 1909-10.

MONTH	No. Set	No. Taken Out	Net Gain
1909			
March.....	62	7	55
April.....	24	4	20
May.....	27	7	20
June.....	29	9	20
July.....	70	9	61
August.....	111	3	108
September.....	76	6	70
October.....	137	4	133
November.....	149	5	144
December.....	99	9	90
1910			
January.....	188	12	176
February.....	83	3	80
Totals.....	1055	78	977

TABLE NO. 3.
SIZES OF CITY METERS IN SERVICE.

Sizes	$\frac{1}{4}$ -in.	$\frac{3}{4}$ -in.	1-in.	1 $\frac{1}{2}$ -in.	2-in.	Totals
In use Feb. 28, 1909.....	190	224	153	58	39	664
Set during 1909-10 (new).....	553	345	100	37	20	1055
Set in exchange.....	43	76	55	3	7	184
Totals.....	786	645	308	98	66	1903

Sizes	$\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1-in.	1 $\frac{1}{2}$ -in.	2-in.	Totals
Taken out (discontinued).....	23	33	11	6	5	78
Taken out (in exchange).....	43	73	57	3	8	184
Totals.....	66	106	68	9	13	262
In service Feb. 28, 1910.....	720	539	240	89	53	1641

TABLE NO. 4.
CITY METERS ON HAND (NOT IN SERVICE).

Sizes	$\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1-in.	1 $\frac{1}{2}$ -in.	2-in.	Totals
Old.....	39	25	39	11	7	121
New.....	26	53	56	8	13	156
Totals.....	65	78	95	19	20	277

TABLE NO. 5.
PRIVATE METERS.

Sizes	$\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1-in.	1 $\frac{1}{2}$ -in.	2-in.	3-in.	4-in.	6-in.	Totals
In use Feb. 28, 1909.	0	2	1	3	7	0	2	0	15
Set during the year.	4	0	0	0	2	1	0	1	8
Totals.....	4	2	1	3	9	1	2	1	23
Taken out.....	0	1	1	0	0	0	1	0	3
In use Feb. 28, 1910.	4	1	0	3	9	1	1	1	20

TABLE NO. 6.
PRIVATE RE-REGISTERING METERS.

Sizes	$\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1-in.	1 $\frac{1}{2}$ -in.	2-in.	3-in.	4-in.	6-in.	Total
In use Feb. 28, 1909	14	1	0	0	0	0	0	0	15
Set during the year.	4	0	0	0	0	0	0	0	4
In use Feb. 28, 1910.	18	1	0	0	0	0	0	0	19

RECAPITULATION.

Number of meters owned by the city.....	1,918
Number of private meters	20
Number of private re-registering meters.....	19
Total number of all meters.....	1,957

TABLE NO. 7.
COST OF SETTING.

Size	Number Set	Cost of Meter	Average Cost of Setting	Total Average Cost	Total Cost of Setting	Total Cost
$\frac{1}{2}$ -inch.....	553	\$ 8.40	\$5.40	\$13.80	\$2,986.20	\$7,631.40
$\frac{3}{4}$ -inch.....	345	12.40	5.80	18.20	2,001.00	6,279.00
1 -inch.....	100	16.00	6.10	22.10	610.00	2,210.00
1 $\frac{1}{2}$ -inch.....	37	31.50	6.15	37.65	227.55	1,393.05
2 -inch.....	20	45.00	6.30	51.30	126.00	1,026.00
3 -inch.....	.....	80.00	.....	.....	.....	.....
4 -inch.....	.....	160.00	.....	.....	.....	.....
6 -inch.....	.....	350.00	.....	.....	.....	.....
	1055				\$7,050.75	\$18,539.45

Total cost of new settings.....	\$ 7,050.75
Betterments in old settings.....	105.40
Meters bought	10,527.81
Increase of supplies on hand.....	195.50
Cost of repairs	570.00
Cost of reading	1,080.00
Cost of clerical work	1,200.00
Postage and miscellaneous.....	336.00
Total	\$21,065.46

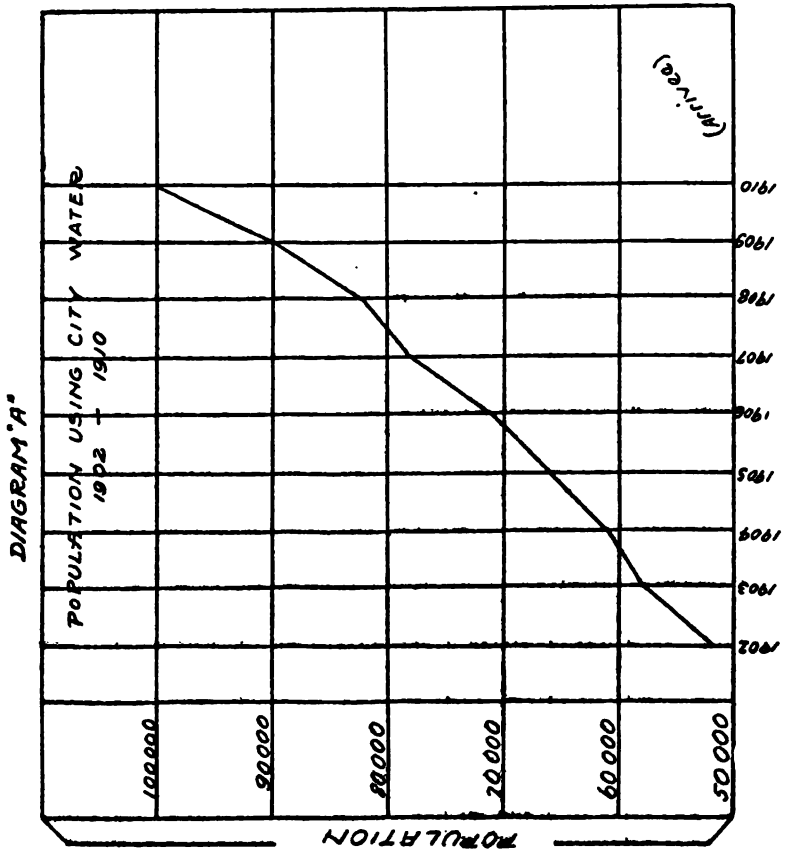


DIAGRAM "B"

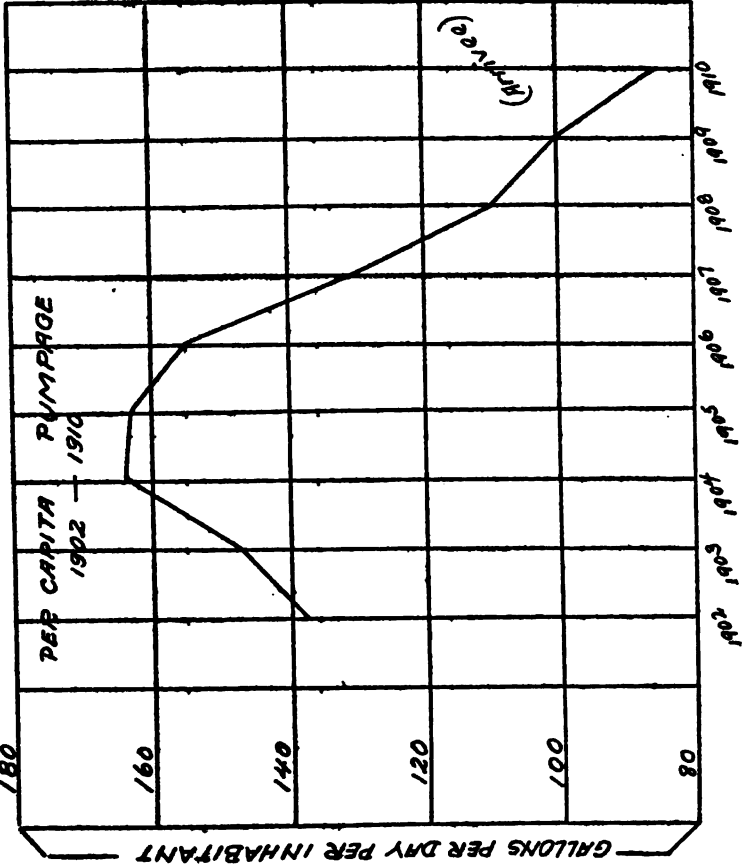


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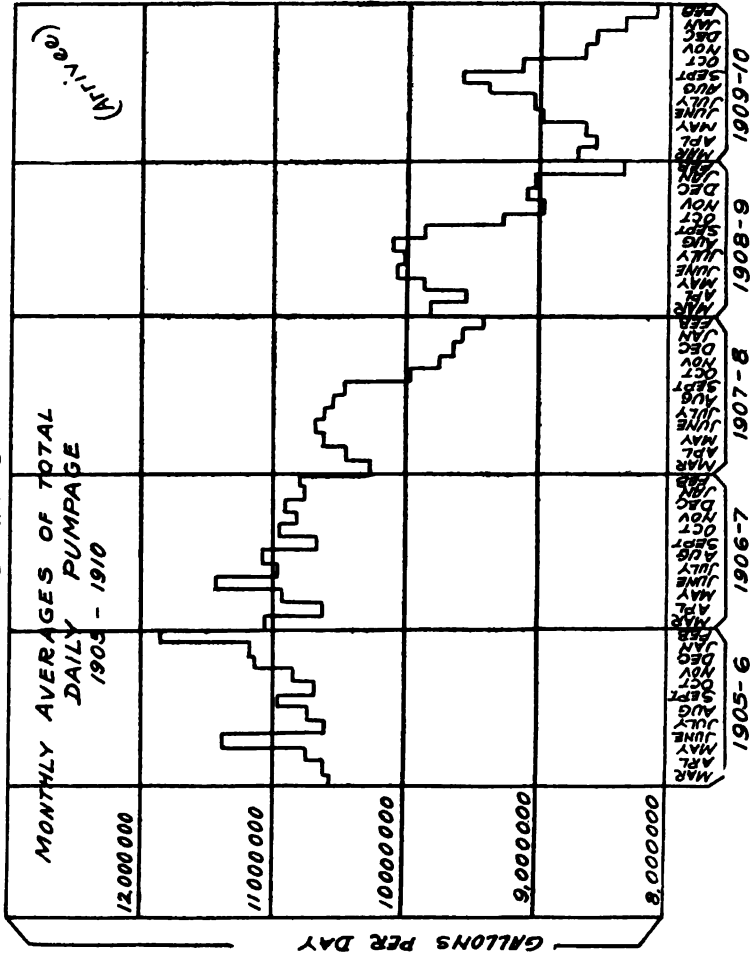
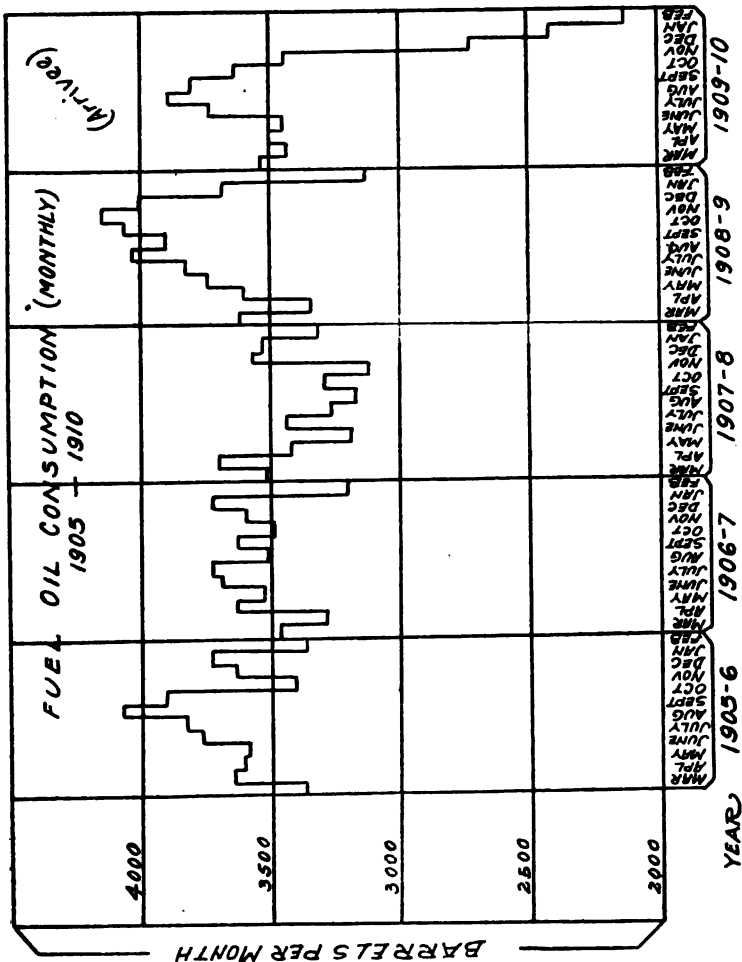
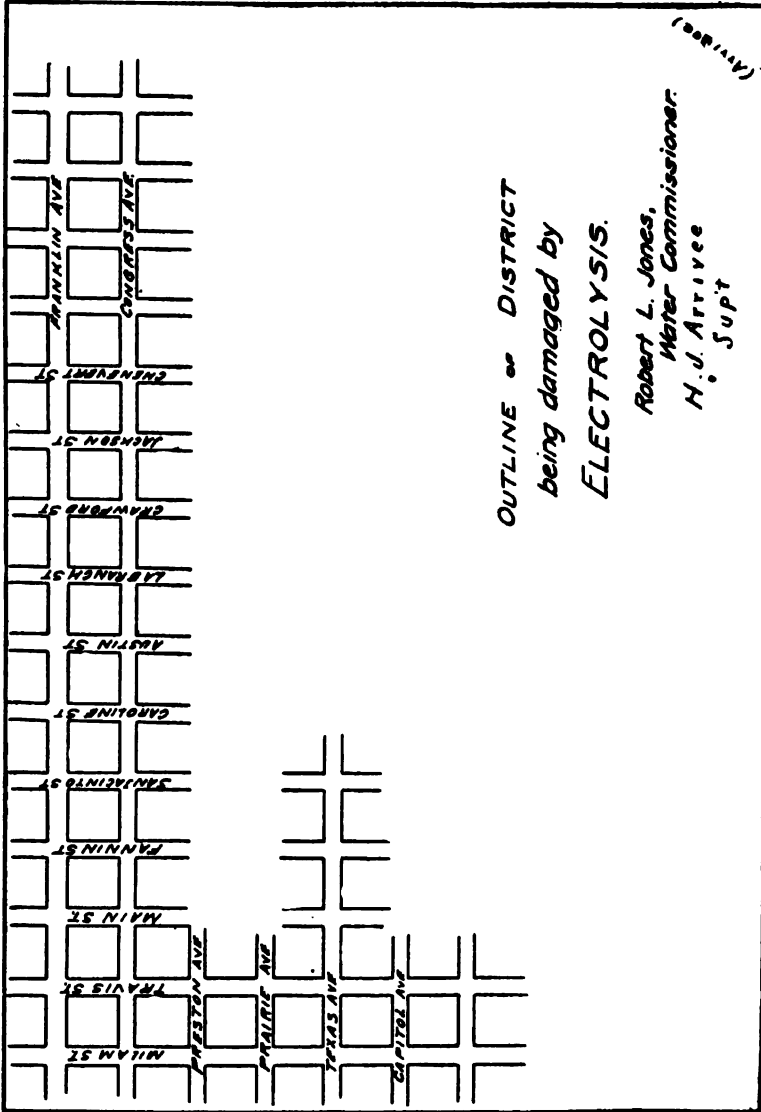


DIAGRAM 'D'





OUTLINE of DISTRICT
 being damaged by
 ELECTROLYSIS.

Robert L. Jones,
 Water Commissioner.
 H. J. Arrivee
 Supt

(over)

**EXHIBIT "B."
REPORT OF CHIEF ENGINEER.**

HOUSTON, TEXAS, March 1, 1910.

MR. ROBERT L. JONES,
Water Commissioner, City.

DEAR SIR:—Complying with your request, I herewith submit my report of the working and conditions of the City Water Works Pumping Station, for the year ending February 28th, 1910.

We have made several alterations and additions, the principal one being the erection of the new 15,000,000-gallon Nordberg high efficiency pumping engine. Steam was turned on this engine Wednesday, October 6th, but no water was pumped until Sunday, October 10th, when a run of three hours was made. Everything was found to be in good working condition. This engine was shut down until Friday, November 26th, when it was started up on a fourteen-day trial run, which was made without a stop, and found to work up to guarantee, and has been in continuous service to date.

With the addition of this engine, the capacity of the plant is doubled, making it one of the best in the State. All buildings at the pumping station have been re-wired for electric lighting under the supervision of Mr. George, City Electrician.

PUMPAGE AND FUEL OIL.

	MARCH, 1909.	Gallons.	Gallons.
Amount water pumped by Engine No. 764....		196,486,900	
Amount water pumped by Engine No. 330....		73,098,240	
Total			269,585.140
Average amount water pumped per day, both engines		8,696,294	
		Barrels.	Barrels.
Amount fuel oil received this month, 11 cars, amounting to		3,050	
Amount fuel oil on hand March 1.....		2,436	
Amount fuel oil on hand March 31.....			5,486
			1,986
Amount fuel oil burned during March.....			3,500
Amount fuel oil burned per day.....		112.90	

Report of Water Committee.

APRIL, 1909.		Gallons.	Gallons.
Amount water pumped by Engine No. 764....	188,653,100		
Amount water pumped by Engine No. 330....	68,008,960		
Total			256,662,060
Average amount water pumped per day, both engines	8,555,402		
		Barrels.	Barrels.
Amount fuel oil received this month, 13 cars, amounting to	3,193		
Amount fuel oil on hand April 1.....	1,986		
Amount fuel oil on hand April 30.....			5,179
			1,762
Amount fuel oil burned during April.....			3,417
Amount fuel oil burned per day.....	114.56		
MAY, 1909.		Gallons.	Gallons.
Amount water pumped by Engine No. 764....	199,790,720		
Amount water pumped by Engine No. 330....	67,842,560		
Total			267,633,280
Average amount water pumped per day, both engines	8,633,332		
		Barrels.	Barrels.
Amount fuel oil received this month, 15 cars, amounting to	3,779		
Amount fuel oil on hand May 1.....	1,762		
Amount fuel oil on hand May 31.....			5,441
			2,238
Amount fuel oil burned during May.....			3,303
Amount fuel oil burned per day.....	106.55		
JUNE, 1909.		Gallons.	Gallons.
Amount water pumped by Engine No. 764....	200,913,020		
Amount water pumped by Engine No. 330....	68,592,640		
Total			269,505,660
Average amount water pumped per day, both engines	8,983,522		
		Barrels.	Barrels.
Amount fuel oil received this month, 10 cars	2,826		
Amount fuel oil on hand June 1.....	2,238		
Amount fuel oil on hand June 30.....			5,064
			1,790
Amount fuel oil burned during June.....			3,274
Amount fuel oil burned per day.....	109.13		

JULY, 1909.		Gallons.	Gallons.
Amount water pumped by Engine No. 764....		202,211,840	
Amount water pumped by Engine No. 330....		77,032,960	
Total			279,244,800
Average amount water pumped per day, both engines	9,007,897		
	Barrels.	Barrels.	
Amount fuel oil received this month, 13 cars	3,339.66		
Amount fuel oil on hand July 1.....	1,790		5,129.66
Amount fuel oil delivered to city wagon.....	362		
Amount fuel oil on hand July 31.....	1,175		1,537
Amount fuel oil burned during July.....			3,592
Average amount fuel oil burned per day.....	115.87		
AUGUST, 1909.		Gallons.	Gallons.
Amount water pumped by Engine No. 764....		209,613,100	
Amount water pumped by Engine No. 330....		81,615,360	
Total			291,228,460
Average amount water pumped per day, both engines	9,394,466		
	Barrels.	Barrels.	
Amount fuel oil received this month, 16 cars	4,393		
Amount fuel oil on hand August 1.....	1,175		5,568
Amount fuel oil delivered to city wagon.....	618		
Amount fuel oil on hand August 31.....	1,173		1,791
Amount fuel oil burned during August.....			3,777
Average amount fuel oil burned per day....	121.83		
SEPTEMBER, 1909.		Gallons.	Gallons.
Amount water pumped by Engine No. 764....		202,515,520	
Amount water pumped by Engine No. 330....		83,878,400	
Amount water pumped by old engine.....		812,500	
Total			287,206,420
Average water pumped per day, all engines..	9,573,547		
	Barrels.	Barrels.	
Amount fuel oil received this month, 16 cars	4,299		
Amount fuel oil on hand September 1.....	1,173		5,472
Amount fuel oil delivered to city wagon.....	57		
Amount fuel oil on hand September 30.....	1,633		1,690
Amount fuel oil burned during September...			3,782
Average amount fuel oil burned per day.....	126		

Report of Water Committee.

OCTOBER, 1909.		Gallons.	Gallons.
Amount water pumped by Engine No. 764....	193,939,660		
Amount water pumped by Engine No. 330....	73,290,240		
Amount water pumped by Nordberg engine..	16,052,160		
Total			283,281,660
Average water pumped per day, all engines..	9,138,118		
		Barrels.	Barrels.
Amount fuel oil received this month, 13 cars	3,677		
Amount fuel oil on hand October 1.....	1,633		
			5,310
Amount fuel oil on hand October 31.....			1,688
			3,622
Amount fuel oil burned during October.....			
Average amount fuel oil burned per day.....	116.84		
NOVEMBER, 1909.		Gallons.	Gallons.
Amount water pumped by Engine No. 764....	162,717,240		
Amount water pumped by Engine No. 330....	53,871,640		
Amount water pumped by Nordberg engine..	42,260,890		
Total			258,849,770
Average water pumped per day, all engines..	8,628,325		
		Barrels.	Barrels.
Amount fuel oil received this month, 14 cars	4,185		
Amount fuel oil on hand November 1.....	1,688		
			5,873
Amount fuel oil on hand November 30.....			2,441
			3,432
Amount fuel oil burned during November...			
Average amount fuel oil burned per day.....	114.40		
DECEMBER, 1909.		Gallons.	Gallons.
Amount water pumped by Nordberg engine..	245,369,520		
Amount water pumped by Engine No. 764....	14,261,140		
Amount water pumped by Engine No. 330....	5,475,640		
Total			265,106,300
Average water pumped per day, all engines..	8,551,816		
		Barrels.	Barrels.
Amount fuel oil received this month, 9 cars..	2,743		
Amount fuel oil on hand December 1.....	2,441		
			5,184
Amount fuel oil on hand December 31.....			2,652
			2,532
Amount fuel oil burned during December....			
Average amount fuel oil burned per day.....	81.02		

JANUARY, 1910.		
	Gallons.	Gallons.
Amount water pumped by Nordberg engine..	249,716.520	
Amount water pumped by Engine No. 764....	5,858,320	
Amount water pumped by Engine No. 330....	3,422,720	
Total		258,997,560
Average water pumped per day, all engines..	8,354,760	
	Barrels.	Barrels.
Amount fuel oil received this month, 7 cars..	2,112.88	
Amount fuel oil on hand January 1.....	2,652	
Amount fuel oil on hand January 31.....		4,764.88
Amount fuel oil burned during January.....		2,368.88
Average amount fuel oil burned per day.....	76.42	
FEBRUARY, 1910.		
	Gallons.	Gallons.
Amount water pumped by Nordberg engine..	226,195,800	
Amount water pumped by Engine No. 764....	2,242,720	
Amount water pumped by Engine No. 330....	1,116,160	
Total		229,954,680
Average amount water pumped per day.....	8,191,238	
	Barrels.	Barrels.
Amount fuel oil received this month, 6 cars..	1,807.93	
Amount fuel oil on hand February 1.....	2,396	
Amount fuel oil on hand February 28.....		4,203.93
Amount fuel oil burned during February....		2,238.09
Average amount fuel oil burned per day.....	70.20	1,965.84

RECOMMENDATIONS.

I would respectfully recommend that two new air pistons with Hurricane inlet valves be purchased for the old air compressor, with packing rings complete, as the ones in service have been in constant use for the past seven years and need renewal.

That pumping engine No. 764 be given a thorough overhauling. The steam ends are in bad shape, as nothing has been done to them since they were placed in service. Both plungers and rods are scored very badly and should be renewed.

That new plungers and rods be put in engine No. 330.

Our electric light engine and dynamo are about worn out. They have been in constant service for the past fifteen years. I would recommend that a new direct connected engine and dynamo of 75 amperes capacity be purchased.

That the strainer in the 1200-foot well on the north side of the pumping station be pulled out and a new one be put in its place, as this well had to be cut out on account of sand filling the casing.

That at least five new wells be put down on the north side of the bayou on the city park property. I think that the sinking of these wells would give us enough water to supply the increased demand for water for some time to come.

That the brick smoke stack be repaired, as the top is in a dangerous condition, and should be attended to at once.

Respectfully,

C. G. BYRNE,
Chief Engineer.

EXHIBIT "C."
REPORT OF WATER ACCOUNTANT.

HOUSTON, TEXAS, March 1, 1910.

HON. ROBERT L. JONES,
Chairman Water Committee,
City of Houston.

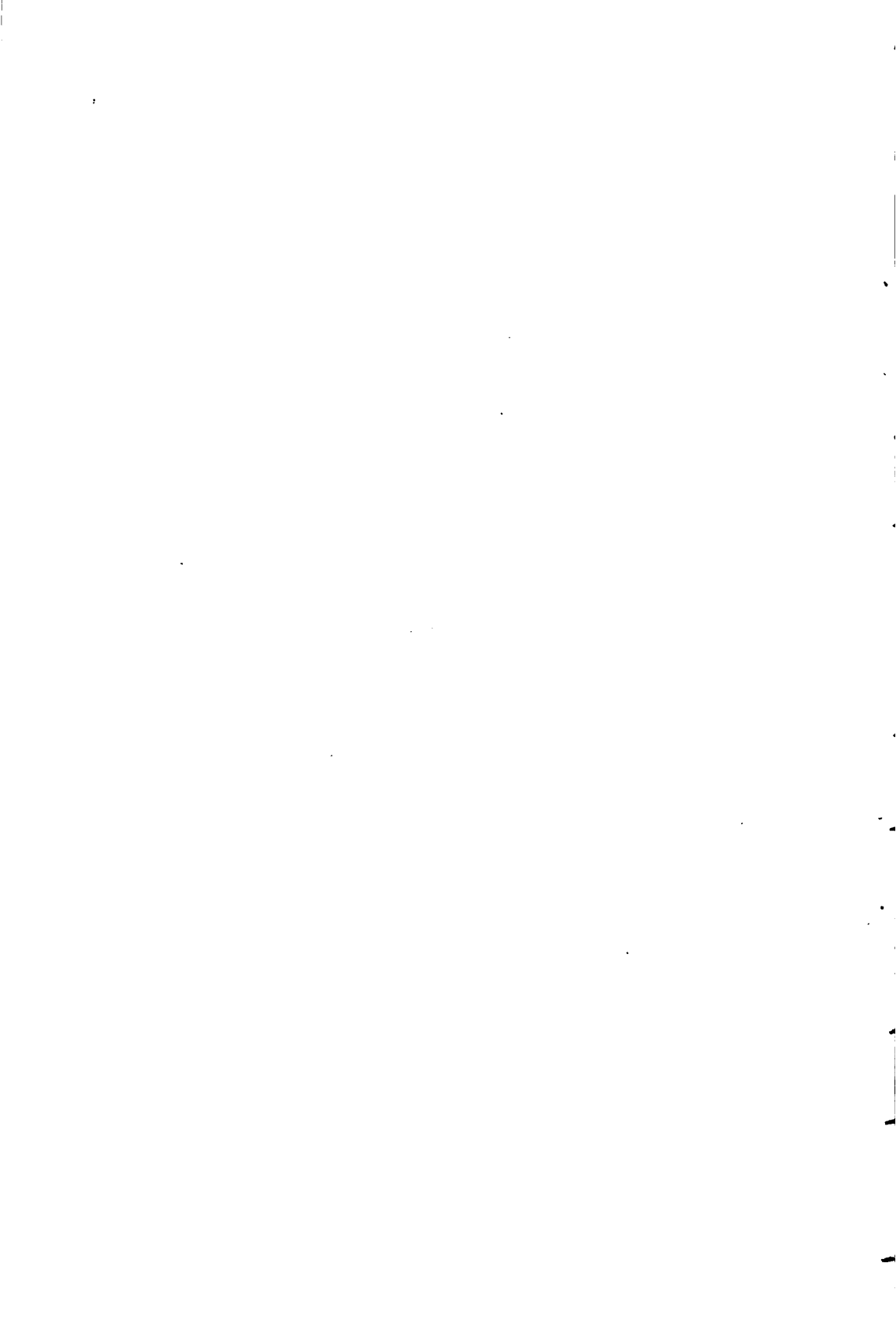
DEAR SIR:—I submit herewith a statement of the revenues and expenses of the Water Department for the fiscal year ending February 28th, 1910.

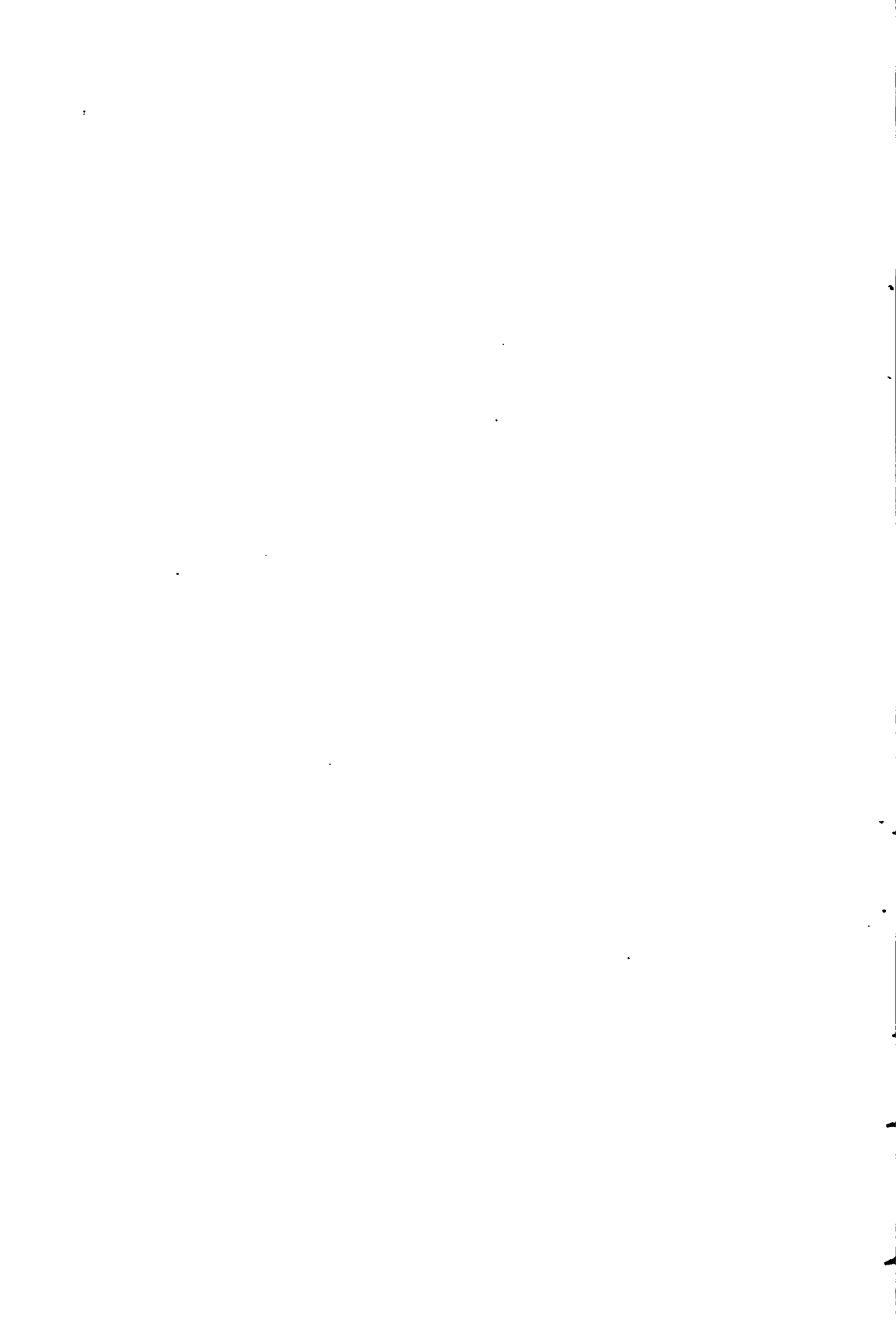
In reference to the earnings, it should be borne in mind that the Water Department does not receive any credit for the services it renders the city in the way of furnishing water for fighting fire and for street sprinkling purposes.

REPORT AS FOLLOWS.

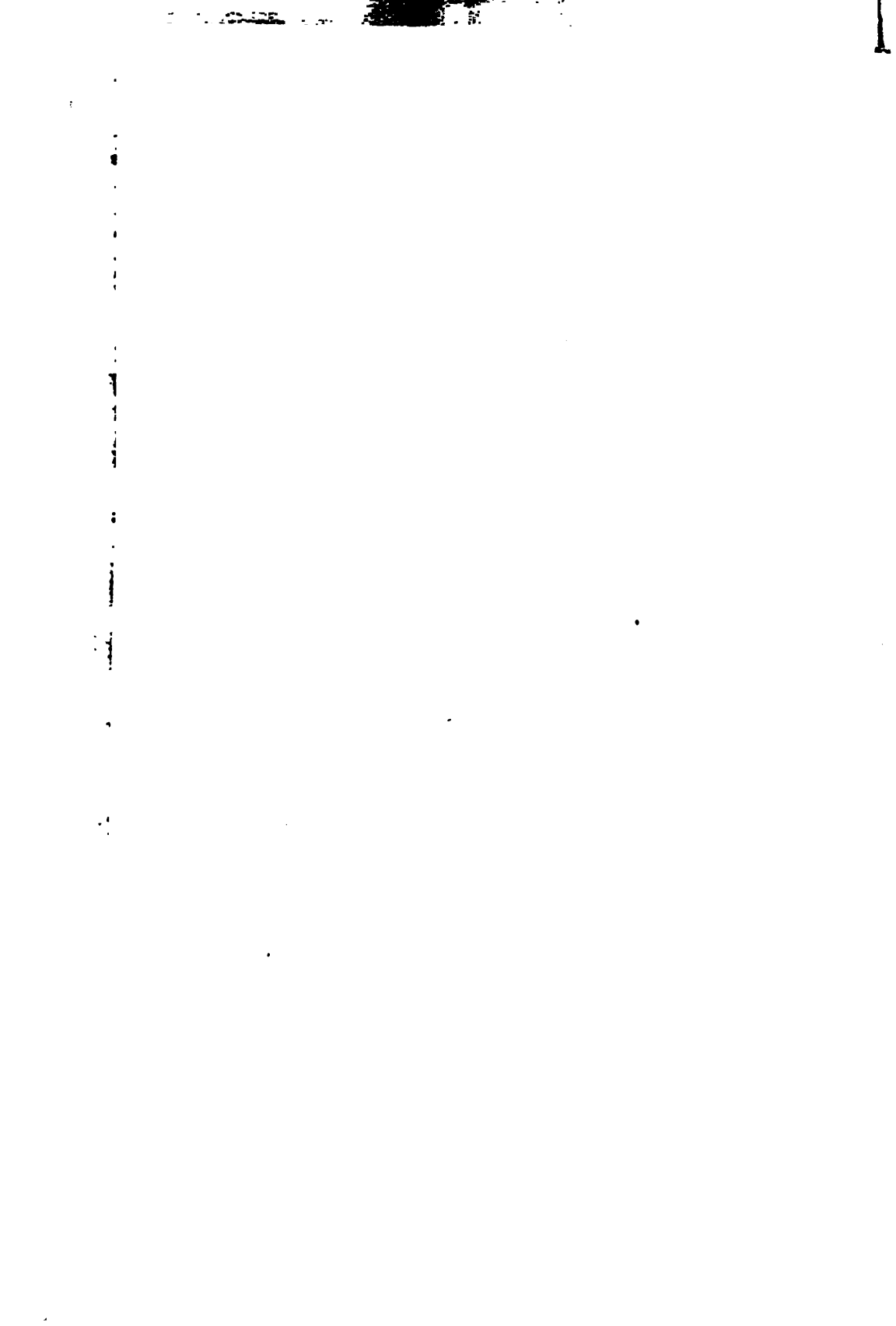
	12 months ending Feb. 28th, 1910.	12 months ending Feb. 28th, 1909.
A. Salaries—operation	\$12,736.36	\$11,833.35
B. Fuel	36,654.13	32,382.80
C. Lubricating oil, waste and packing.....	1,387.49	1,365.09
D. Machinery repairs	3,002.28	1,590.08
E. Building repairs	4,442.20	658.22
F. Other expenses at the Pump House.....	1,326.27	175.32
G. Salaries—office force.....	9,971.45	5,110.00
H. Repairs, street service.....	7,182.59	3,155.86
I. Service connections	7,788.85	5,401.14
J. Other	2,039.54	1,660.10
	<u>\$86,531.16</u>	<u>\$63,331.96</u>
Extraordinary	81,142.99	71,341.43
Revenue	\$209,662.97	\$197,005.48
Bills outstanding.....	40,898.92	54,518.31
Cash receipts.....	223,454.99	

Respectfully submitted,
 GEO. R. BRINGHURST,
Accountant Water Department.









ANNUAL REPORT

OF

W. J. KOHLHAUFF,
CHAIRMAN FIRE COMMITTEE,

For the Year Ending February 28, 1910.

REPORT OF FIRE COMMITTEE.

HOUSTON, TEXAS, March 1, 1910.

TO THE HONORABLE H. B. RICE,
Mayor of the City of Houston, Texas.

DEAR SIR:—I herewith present to you the annual report of the Fire Department for the fiscal year ending February 28, 1910, in accordance with the charter provisions.

This department is now in good shape, all of our fire fighting apparatus having been put in first-class condition and ready for immediate service. During the past year three of our hose wagons have been practically rebuilt, and all of the steamers thoroughly overhauled. Extensive repairs have been made to Engine House No. 7. The comforts of all the men have been carefully looked after.

There was added to the department last year an automobile for the Fire Chief, equipped with two three-gallon fire extinguishers. This machine has proven a valuable addition to this department, and has already paid for itself in the saving of fire losses by its quick arrival upon the scene, when it was possible for the Chief to extinguish the fire long before the arrival of the rest of the department.

We have just received an automobile chemical engine, equipped with two 50-gallon tanks, four 3-gallon extinguishers and extension ladders. It will carry nine men. This machine was built specially for our city, and was designed by myself with the valuable suggestions of Fire Chief Ollre. By comparison with our horse-drawn chemical engine, I am convinced that this new machine will be of great value to this department and to our citizens in the curtailment of property losses.

There has been but one serious accident to the Fire Department during the past year. This occurred to Hose Com-

pany No. 5, on August 28, 1909, at 8:15 p. m., at the Hardy Street crossing of the Texas & New Orleans Railroad Company. While responding to a call from box 517, Hose Company No. 5 collided with a moving switch engine, instantly killing one horse and seriously injuring the other. All five of the men on the hose wagon were injured, one losing his right leg, and another having his left leg fractured, the other three receiving slighter injuries. This is a very dangerous crossing and should be carefully guarded by competent and active flagmen. I am sure if this crossing is properly guarded such accidents can in the future be avoided.

Death has taken from our department John Grace, who, on December 30th, 1909, succumbed to an attack of pneumonia. He was one of our best firemen.

The contract has been let and work begun on the engine house at the corner of Sampson Street and Preston Avenue, to be known as Engine House No. 2. This will be a very handsome structure and when completed and fully equipped will prove of great value to that fast growing portion of our city.

During the coming year an engine house will be built in South End, in close proximity with Fannin Street and Rosalie Avenue; also one on Washington Avenue, near the oil mills. This latter engine house is made necessary by the rapid building in that locality of many large manufacturing establishments. It will require about \$50,000.00 to build and equip these three new houses.

During the past year we have had four large fires, but they were all confined to the buildings in which they originated.

The number of alarms have increased about 11½% over last year. A large majority of these alarms were flue fires.

At present we have in active service 100 men, 25 apparatuses and 46 horses.

This department has been greatly hampered in the past by the large number of overhead wires in the business sec-

tion of the city. These, however, are being rapidly placed underground.

RECOMMENDATIONS.

Owing to the increased cost of the necessaries of life, including high house rents, and considering the efficiency of the Fire Department, I recommend a slight increase in the salaries of the men, as follows:

	Per Month.
Chief	\$200.00
Assistant Chief	150.00
Second Assistant Chief.....	110.00
Captain, No. 9.....	100.00
One Clerk	80.00
Other Captains	90.00
Mechanical Engineer	100.00
Veterinary and Engineer.....	100.00
Other Engineers	90.00
Chaffeurs	90.00
Second year men.....	72.50
First year men.....	65.00

The above salaries are the same as those paid by the other large cities of Texas. We have a fine class of men in the department, and I am sure this will result in retaining them longer, and when they become more valuable through greater experience.

I also recommend that an addition be added to Engine House No. 7, on Milam Street, and that a third size service truck be installed therein. The territory south of the Central Fire Station is built up largely of two-story residences, and hence it is necessary that the truck arrive at a fire early in order that the nozzlemen may be able to reach the roofs of the buildings quicker. The truck from the Central Fire Station now makes this run, and the distance is too great for it to do effective work. The territory beyond Engine House No. 7 is rapidly building up. So the urgent need of a third size truck at this engine house will be readily seen.

I also recommend the purchase of a water tower. The erection of so many tall buildings would make this machine a valuable addition to our department.

Owing to the rapid growth of the city, I would recommend twenty-five additional fire alarm boxes. Several more are badly needed in the business section. The water mains and fire plugs have been extended to a large portion of the outlying districts and these have no fire alarm boxes at all.

I recommend that the appropriation for the Fire Department for the coming year be \$115,000.00.

Respectfully submitted,

W. J. KOHLHAUFF,
Fire Commissioner.

REPORT OF CHIEF OF FIRE DEPARTMENT.

HOUSTON, TEXAS, February 28, 1910.

TO THE HON. H. B. RICE, *Mayor,*
andW. J. KOHLHAUFF, *Fire Commissioner City of Houston, Tex.*

GENTLEMEN:—I have the honor of submitting this my annual report of the Fire Department for the year ending February 28, 1910.

In submitting to you this report I have made only a short account of the progress of the department, owing to the report of Fire Commissioner Kohlhauff, which will cover all details of the workings of the department, showing improvements and recommendations for the coming year.

APPARATUS.

During the past year you have added the following new apparatus:

One chief's automobile with two 3-gallon chemical extinguishers and two extra men. The use of this automobile not only enables the head of the department to arrive at fires far in advance of the other apparatus, which in itself not only is of great advantage, but in a great many cases it enables us to extinguish the fire by the use of chemicals, thereby saving water damage.

One automobile chemical engine, which has only been in service about one month, and so far has proven a success far beyond my first estimation of its value. This piece of apparatus at the sounding of an alarm is out and at the fire within one-third less time than it takes the horse-pulled apparatus to make the same run. This has been proven recently, or rather since we have been using the automobile chemical engine, and I wish to say that I am convinced that the use of this type of apparatus will be of great advantage to the department over horse-drawn apparatus.

The fourteen new men recently added to the department has increased the number of men in service to 100 men. This increase has enabled the department to man the ap-

paratus with more efficiency at large fires, which has been demonstrated to the public at the two recent large fires.

I note with much interest that the new fire station for the lower part of the Second and Third Wards is now under construction, and when this house is completed and equipped it will be of great benefit to the people in that locality in the increased efficiency of the department.

I wish to suggest to you the consideration of the purchase of a water tower. This is one of the most valuable pieces of apparatus that a city could have and is a necessity for preventing the spread of fire and protecting adjoining buildings. I have talked this matter over with Fire Commissioner Kohlhauff and wish to concur in his request for the purchase of same at an early date.

RECOMMENDATIONS.

The south end of the city is greatly in need of a fully equipped fire station, and I would ask that you kindly consider this at an early date; also a station in the western part of the city near the crossing of Washington Street and the Southern Pacific R. R.

I would recommend that the salaries of the men in the employ of the department be considered for an increase, as the cost of living has so increased that it is a difficult matter to secure good and intelligent men who will stay in our employ and appreciate their positions.

The greater part of the recommendations for the coming year have been gone over with the Commissioner, and I am pleased to report to you that I am in accord with what he recommends and suggests.

WATER SUPPLY.

It gives me pleasure to state that the water supply has been greatly increased over last year and that the supply at and during fires has been all that could be expected of any city. However, there yet remains a large demand for more hydrants in certain sections of the city. The officials of the Water Department have been ever ready to render

me assistance at all times, and I wish to extend my thanks to Commissioner Jones and the employees of his department.

FIRE ALARM SYSTEM.

The greatly increased number of alarms now received over the fire alarm system clearly demonstrates that the public appreciates the value of sounding alarms from the street box as the more efficient means of calling the department as against the use of the telephone. For this reason, which means considerable saving of time to the department in getting the alarms, I would recommend that the Electrical Department be requested to install as many new and additional fire alarm boxes as can be purchased. The increased number of fire alarm boxes will add greatly to the efficiency of the Fire Department, inasmuch as this will enable us to more promptly and without error receive the alarms.

I wish to extend my thanks to City Electrician George and the Electrical Department for their assistance to myself and the Fire Department, especially for the service rendered by the uninterrupted and perfect-working service of the fire-alarm system under that department.

I also wish to extend my thanks to Chief Ellis and officers of the Police Department for their valued assistance rendered this department at all fires.

In conclusion I wish to extend my thanks to His Honor the Mayor and Fire Commissioner Kohlhauff and the other Commissioners for their valuable assistance in my behalf in the discharge of my duty as Chief of the Fire Department.

Very respectfully submitted,

R. F. OLLRE,
Chief.

Cost of Maintaining and Operating the Fire Department for the Fiscal Year Ending February 28, 1910.

Salaries	\$72,120.05
Repairs and renewals of buildings.....	1,230.53
Repairs and renewals of furniture and bedding..	691.05
Repairs and renewals of equipment.....	6,735.54
Live stock, renewal and maintenance.....	9,894.49
Fuel for engines.....	441.10
Lubricants and other engine supplies.....	226.64
Chemicals	73.40
Rent	9.15
Light and heat.....	2,690.12
Stationery and printing.....	52.30
All other	1,067.21
Total	\$95,231.58

Fire Alarms During the Fiscal Year Ending February 28, 1910.

1909	Box Alarms	Telephone Alarms	Total Alarms	A. M.	P. M.
March.....	20	43	63	27	36
April.....	16	31	47	12	35
May.....	10	17	27	11	16
June.....	8	10	18	5	13
July.....	14	33	47	14	33
August.....	25	61	86	25	61
September.....	16	75	91	39	52
October.....	15	36	51	16	35
November.....	12	22	34	19	15
December.....	24	56	80	33	47
1910					
January.....	23	62	85	37	48
February.....	20	60	80	26	54
Totals.....	203	506	709	264	445

Causes of Fires During the Year Ending February 28, 1910.

CAUSE	March	April	May	June	July	August	September	October	November	December	January	February	TOTAL
Burning paint off.		1											1
Cigarette.				1									1
Candle too near wall.											1		1
Dry kiln overheated.				1									1
Electric wires crossed.	1												1
Electric Fan burning.		1											1
Electric Iron.							2						2
Flues.	12	6	3		3	2	1	2	11	38	41	56	175
False alarm.	3	3	2	2		3	4	3		2	7	1	30
Fire Works.										2			2
Fire Place defective.											1		1
Furnace.											1	1	2
Furnace on floor.							1		1	1	1		4
Furnace overturned.		1											1
Furnace smoking.			1										1
Gasoline stove explosion	2			1	1			3			1		8
Gasoline Tank explosion.								1					1
Gasoline Stove.							1					3	4
Gasoline Torch.	1												1
Gasoline.		2		1	1	2	2	1	1	3			13
Gas, Testing of.											1		1
Gas Jet.								1					1
Gas explosion.									1		1		2
Gas Fixtures, defective.										1			1
Grass on fire.	3												3
Gas Stove.												1	1
Gas Stove, burning grease in.				1									1
Gas Meter leaking.					1		1			2	1		5
Heater, Smoking.			1										1
Heater, Defective.										1			1
Hot Ashes in box.					1				1				2
Hot Box ignited.						1							1
Incendiary origin.	1	1	1			5		3			3		14
Lightning.						1							1
Lamp.		2											2
Lamp explosion.	1	1			1	2	2	1	1	3	1	1	14
Matches, rats playing with.	1			1						1			3
Matches, children playing with.												2	2
Motor on Electric Car.		1											1
Motor burning out.					1								1
Outside City limits.								1		2	1		4
Oil in ditch.						9	29	34	8		2	1	83
Oil Stove exploded.					1		1		1	4	2	1	10
Oil Tank exploded.					1								1
Paper too near stove.											1		1
Pot of Grease.		1					1		1		1	1	5
Pot of Fire Proof Paint.						1							1
Sparks from flues.	11	2	3	5	11	8	9	5					54
Sparks from fires.	3		4	6	2	1	1	40					57
Carried Forward.	39	22	15	19	33	55	60	69	18	60	67	68	525

Causes of Fires During the Year Ending February 28, 1910—Cont'd.

CAUSE	March	April	May	June	July	August	September	October	November	December	January	February	TOTAL
Brought Forward	39	22	15	19	33	55	60	69	18	60	67	68	525
Sparks from Locomotive		3	1		1	2	6	2	3	1	3		22
Stove overheated	2	1										1	4
Smoking out Chicken House		1											1
Spontaneous Combustion	1							2		2		1	6
Sulphur Burning									1				1
Trash	3	5			1	10	8	5			2		36
Unknown	17	12	12	5	8	17	13	8	18	15	12	9	146
Wiring, defective	1				1	2				1	1		6
Wire, Live							1						2
Flues, defective	3	3	3		3	1	4	2					19
Awning fire										1			1
Hot iron								1					1
Kerosene, lighting fire with								1					1
Adjoining house	1	5			6	4	6	8	2	3	3	8	46
Airshaft, grease in										1			1
Boiler Explosion											1		1
Auto Gas Tank leaking								1					1
Total	67	52	31	24	53	91	98	99	44	85	89	87	820

Insurance Statistics.

Value of buildings	\$3,374,667.00
Value of stock or furniture	3,200,108.50
Total value of property involved	\$6,574,775.50
Insurance on buildings	\$1,850,380.00
Insurance on stock or furniture	1,542,110.50
Total insurance on buildings and contents	\$3,392,490.50
Damage to insured buildings	\$ 195,479.26
Damage to uninsured buildings	24,012.50
Damage to insured stock or furniture	231,352.70
Damage to uninsured stock or furniture	30,148.00
Total damage to buildings and contents	\$ 480,992.46

Number of Water Hydrants in the City.

First Ward	59
Second Ward	82
Third Ward	272
Fourth Ward	197
Fifth Ward	146
Sixth Ward	60
Total	816

**Service Performed by the Fire Department During the
Fiscal Year Ending February 28, 1910.**

COMPANY	Fires Attended	Miles From Station	Feet Hose Used	Feet Ladders Used	Gallons Chemicals Used	Time at Work
Chief's Auto.....						
Chemical Auto..... No. 1	1					
Hose Co..... No. 1	194	142.50	41,100	24	591	177.25
Hose Co..... No. 3	114	116.50	22,450	728	42	122.75
Hose Co..... No. 5	111	97.75	37,100	627	102	124.25
Hose Co..... No. 6	163	138.25	37,350	384	90	182.00
Hose Co..... No. 7	103	108.00	29,400	36	39	117.50
Hase Co..... No. 8	251	252.25	57,100	516	39	254.25
Hose Co..... No. 9	132	149.00	28,600	68	96	124.75
Hose Co..... No. 10	180	158.25	41,700	380	41	201.25
Steamer Co..... No. 1	120	66.25				108.00
Steamer Co..... No. 2	24	19.50				24.75
Steamer Co..... No. 5	70	57.00				94.00
Steamer Co..... No. 6	130	119.50				133.25
Steamer Co..... No. 7	109	98.00				114.75
Steamer Co..... No. 8	125	113.75				121.50
Steamer Co..... No. 9	69	73.50				89.75
Steamer Co..... No. 10	124	104.50				138.00
Chemical Co..... No. 4	253	183.50	21,650	188	5,298	130.75
Hook and Ladder Truck Co..... No. 14	191	254.75		4,396	96	171.00
Aerial Truck Co..... No. 15	24	10.75		460		30.00
Hook and Ladder Truck Co..... No. 16	345	338.25		7,431	102	228.00
Hose Reel, in reserve.....	144	127.00				107.75
Total.....	2,976	2,728.75	317,250	15,238	6,536	2,795.50

**Character of Buildings Damaged During the Year Ending
February 28, 1910.**

Month	Frame Buildings	Brick Buildings	Other than Buildings
March, 1909	49	9	9
April	34	4	14
May	23	3	5
June	18	3	3
July	40	10	10
August	43	1	42
September	40	3	51
October	66	8	18
November	35	5	3
December	62	13	6
January, 1910	68	6	8
February	77	7	3
	555	72	172

Comparative Statement of Alarms and Number of Men Employed.

Year	No. of Men Employed	No. of Alarms
1898	55	226
1899	55	259
1900	60	298
1901	62	297
1902	59	300
1903	61	258
1904	65	391
1905	65	364
1906	65	396
1907	65	498
1908	83	636
1909	100	709

Force of the Department for the Year Ending February 28, 1910.

	Amount Per Month	Salary
1 Chief	\$200.00	\$ 2,400.00
1 Assistant Chief	110.00	1,320.00
2 Captains	80.00	1,920.00
7 Captains	75.00	6,300.00
19 Drivers	70.00	15,960.00
1 Driver	65.00	780.00
2 Tillermen	70.00	1,680.00
1 Engineer	100.00	1,200.00
6 Engineers	90.00	6,480.00
1 Chaffeur	90.00	1,080.00
2 Stokers	70.00	1,680.00
3 Chemical tankmen	65.00	2,340.00
1 Clerk	75.00	900.00
11 Laddermen	65.00	8,580.00
1 Housekeeper (Central)	65.00	780.00
1 Housekeeper (Station No. 9)	60.00	720.00
40 Pipemen	60.00	28,800.00
		<u>\$82,920.00</u>

Horses in Service, Year Ending February 28, 1910.

	No.
Central Station	10
Fire Station No. 3	7
Fire Station No. 5	4
Fire Station No. 6	4
Fire Station No. 7	4
Fire Station No. 8	4
Fire Station No. 9	6
Fire Station No. 10	4
Extra horses, unserviceable	3
Total	46

Apparatus.

We have twenty-seven in service, located at the various stations, as follows:

Apparatus.	No.	Location.
1 Combination hose wagon.....	1	Central Station
1 Second size La France steamer.....	2	Central Station
1 First size Continental steamer.....	1	Central Station
1 Hose wagon	3	Fire Station No. 3
1 Double 60-gallon Holloway chemical.....	4	Fire Station No. 3
1 Hose wagon	5	Fire Station No. 5
1 Third size La France steamer.....	5	Fire Station No. 5
1 Hose wagon	6	Fire Station No. 6
1 Fourth size La France steamer.....	6	Fire Station No. 6
1 Hose wagon	7	Fire Station No. 7
1 Fourth size La France steamer.....	7	Fire Station No. 7
1 Hose wagon	8	Fire Station No. 8
1 Third size Clapp & Jones steamer.....	8	Fire Station No. 8
1 Hose wagon	9	Fire Station No. 9
1 Fourth size Continental steamer.....	9	Fire Station No. 9
1 Hose wagon	10	Fire Station No. 10
1 Fourth size La France steamer.....	10	Fire Station No. 10
1 Preston hook and ladder.....	14	Fire Station No. 9
1 Hayes Aerial 75-foot extension ladder.....	15	Central Station
1 Seagrave hook and ladder.....	16	Central Station
1 Chief's buggy		Central Station
2 Assistant Chiefs' buggies.....		Central Station
1 hose reel (in reserve).....		Central Station
1 Supply wagon		Fire Station No. 3
1 Chief's automobile		Central Station
1 Chemical automobile	1	Central Station

**Size and Dimensions of Steam Fire Engines and Date Placed
in Service.**

Date Placed in Service	Steamer No.	Make	Size	Boiler	Cylinder Steam	Pumps	Stroke	Capacity of Water per Minute
1908	1	Continental.....	1st	36x72	9	5½	8	900
1895	2	La France.....	2d	33x60	7¾	4½	9	700
1894	5	La France.....	3d	30x62	7½	4½	8	600
1901	6	La France.....	4th	28x72	6¾	4	7	500
1901	7	La France.....	4th	28x72	6¾	4	7	500
1896	8	Clapp & Jones.....	3d	30x62	7	4½	8	600
1908	9	Continental.....	4th	30x66	6½	4	8	500
1901	10	Metropolitan— American make..	4th	30x60	6½	4	7	500

ANNUAL REPORT

OF

JACK KENNEDY,

**CHAIRMAN STREET AND BRIDGE
COMMITTEE**

For the Year Ending February 28, 1910.

REPORT OF STREET AND BRIDGE COMMITTEE.

HOUSTON, TEXAS, March 1, 1910.

HON. H. B. RICE,
Mayor City of Houston.

DEAR SIR:—I herewith respectfully submit to you the annual report of the Street and Bridge Department.

This has been a very busy year for this department, owing to the great amount of improvements which required our attention in the newly settled territory and in the new additions to the city which have been opened in the last year.

The work in the new additions to the city consists of opening and grading new streets, the laying of bridges and foot crossings, and opening new ditches. During the year particular attention has been given to localities where the absence of sewerage system causes standing of surface water, and ditches have been opened to drain these localities.

Special attention of this department has also been given to the keeping of paved streets of the city clean, by thoroughly sweeping them and hauling the dirt away, and I trust that this particular work has met with your approval and of the citizens in general.

A force of three carts has been kept in constant employment for the purpose of keeping holes repaired in graveled and dirt streets and hauling off the dirt taken out of ditches on the graveled and shelled streets.

The following list shows the streets which are swept every night:

Main Street, from Franklin to Berry Avenue.
Travis Street, from Franklin to Dallas Avenue.
Milam Street, from Franklin to McKinney Avenue.
Fannin Street, from Franklin to McKinney Avenue.
San Jacinto Street, from Commerce to McKinney Avenue.
Congress Avenue, from Milam to Caroline Street.
Franklin Avenue, from Louisiana to Austin Street.
Preston Avenue, from Austin to Washington Avenue.
Prairie Avenue, from Milam to Caroline Street.
Texas Avenue, from Milam to Caroline Street.
Capitol Avenue, from Milam to Caroline Street.
Rusk Avenue, from Milam to Caroline Street.
Walker Avenue, from Milam to Caroline Street.
Willow Street, from San Jacinto Street bridge to Walnut Street.

The following list shows the streets which are swept three times weekly:

Congress Avenue, from Caroline to I. & G. N. Depot.
Franklin Avenue, from Austin to Chartres Street.
Texas Avenue, from Caroline to Hamilton Street.
McKinney Avenue, from Bagby to Chartres Street.
Washington Ave., from Louisiana Street bridge to Tenth Street.

Streets swept weekly:

Liberty Avenue.
McKee Street.
Conti Street.
Odin Avenue.
Lyons Avenue.
Hardy Street, from Conti to Noble Street.
Washington Avenue, from Tenth to Brashear Street.
Houston Avenue, from Washington to Spring Street.
San Jacinto Street, from McKinney to Leeland Avenue.
Leeland Avenue, from Louisiana to Crawford Street.
McGowen Avenue, from Milam to Crawford Street.
Crawford Street, from Commerce to McGowen Avenue.
Montgomery Avenue, from Wood to James Street.
Sabine Street, from Washington to Sabine Street bridge.
Heiner Street, from Sabine Street bridge to San Felipe Street.
Preston Avenue, from Austin to I. & G. N. tunnel.

The following is a list of new streets which have been graded and opened during the past year:

Seneca Street, from Calhoun to Harby Street.
 Milby Street, from Dallas to Harby Street.
 Hussion Street, from Dallas to Harby Street.
 Harby Street, from Milby to Hussion Street.
 York Street, from Commerce to Engelke Street.
 Saltus Street, from Buffalo to Live Oak Street.
 Live Oak Street, from Saltus to German Street.
 Churchill Street, from Mary to Boundary Street.
 Marie Street, from Montgomery to Thomas Street.
 Thomas Street, from Paschall to Rosalie Street.
 Quitman Street, from Cochran to Depenbrook Street.
 Depenbrook Street, from Quitman to Boundary Street.
 Sage Street, from Houston Avenue to 2 blocks west.
 Winnie Street, from Montgomery to Thomas Street.
 Fox Street, from Rosalie to Hutcheson Street.
 Rosalie Street, from Runnels to Buffalo Bayou.
 Kennedy Street, from Rosalie to Hutcheson Street.
 Ball Street, from Rosalie to Hutcheson Street.
 Morris Street, from Montgomery to Depenbrook Street.
 Gregg Street, from Lyons Avenue to Market Street.
 Stanford Street, from Fairview to Pacific Avenue.
 Freeman Street, from Paschall to Quitman Street.
 Ovid Street, from Johnson to Colorado Avenue.
 Orrine Street, from Harrisburg Road to 4 blocks north.
 Morgan Street, from Fairview to Dennis Avenue.
 Freund Street, from Rosalie to Hutcheson Avenue.
 Winnie Street, from Montgomery to Thomas Street.
 Connor Street, from Rugeley to S. A. & A. P. R. R.
 Congress Street, from Shepherd to Velasco Street.
 Factory Street, from Preston to Commerce Street.
 Greeley Street, from Rugeley to S. A. & A. P. R. R.
 Terry Street, from Rugeley to Second Street.
 Kyle Street, from Rugeley to Second Street.
 Second Street, from Jack to Connor Street.
 Third Street, from Jack to Terry Street.
 Rugeley Street, from Kyle to S. P. R. R.
 White Street, from State to Moore Street.
 Palmer Street, from McKinney to Dallas Avenue.
 Dowling Street, from McKinney to McGowen Avenue.
 Worms Street, from S. P. R. A. south to Odin Avenue.
 Green Street, 2 blocks.
 Oats Street, between Dechaumes Street and Milby.

- Bringhurst Street, 2 blocks.
- Capron Street, between S. P. R. R. and Lyons Avenue.
- Carl Street, between Depenbrook and Mootgomery.
- Old Houston Avenue.

The gully on Kansas Street between Ingram's Gully and Raliroad has been filled in.

The following shows new bridges which have been built during the past year :

- 2 bridges in the Pastoriza addition.
- 1 bridge across gully on Gregg Street.
- 1 bridge across gully on Kansas Street.

The following is the total bridge and foot crossings laid down during the past year :

During the month of—	Bridges.	Foot Crossings.
March, 1909	162	85
April	76	37
May	94	33
June	74	6
July	115	40
August	128	26
September	52	51
October	121	51
November	129	112
December	70	119
January, 1910.....	44	34
February	29	56
Total	1,094	650

During the past year have also put in 31 aprons and 19 drains.

I wish to mention that since the installation of the Inspector, whose duty it is to see that all of the openings in the streets for gas, light and sewers are repaired and left in good condition, by the firms or parties who make such openings, the city has made a large saving by not having to do the repairing itself as heretofore. When it becomes necessary to open a pavement or dirt street for any purpose, the individual or corporation desiring to make the opening is required to make an application to the department showing the location, nature and extent of the opening desired,

and a deposit is also made to cover the estimated cost of repairs for said opening. A permit is then issued and the inspector assigned to the work. Immediately on the completion of the work, an order is issued to parties to put same back in as good condition as it was before opening. The result is apparent.

The following shows the openings made in the streets for gas, light and sewers:

	Openings.
Sewers	265
Gas	870
Other openings	243

I would also like to mention the following gutters, centrally located, which are flushed daily:

Main Street, from Commerce to Walker Avenue.
 Travis Street, from Commerce to Walker Avenue.
 Milam Street, from Commerce to Walker Avenue.
 Louisiana Street, from Commerce to Walker Avenue.
 Fannin Street, from Commerce to Walker Avenue.
 San Jacinto Street, from Commerce to Walker Avenue.
 Caroline Street, from Commerce to Walker Avenue.
 Congress Avenue, from Smith to Caroline Street.
 Franklin Avenue, from Smith to Caroline Street.
 Commerce Avenue, from Smith to Caroline Street.
 Preston Avenue, from Smith to Caroline Street.
 Prairie Avenue, from Smith to Caroline Street.
 Texas Avenue, from Smith to Caroline Street.
 Capitol Avenue, from Smith to Caroline Street.
 Rusk Avenue, from Smith to Caroline Street.
 Walker Avenue, from Smith to Caroline Street.

The following shows sewers laid by this department in the past year:

Laid sewer and filled in gully on Houston Avenue, opposite San Jacinto Park.

Laid sewer on Walnut Street.

Laid sewer on White Street.

Laid sewer on Hutcheson Street.

Laid sewer on Helner Street.

Also built a culvert on the corner of Commerce and Shepherd.

Improvements made at the city stables in the past year :

- Laid 400 feet of sewer to drain the barn.
- Built 2 new sheds for the sweeping and sprinkling machines.
- Built a 2-story addition to the barn.
- Built addition to the barn, giving sufficient room for 6 teams.
- Remodeled all the sheds.

Improvements made at the city park by this department:

- Laid 300 feet of sewer.
- Built 4 catch-basins.
- Shelled roadway and sidewalks.
- Built the fence around the Park.
- Erected a stand for the search-light.
- Painted the Park fence.
- Painted the Park bridge.

The following work, while the expense was not charged to this department, nevertheless the work was done under the supervision of this department.

- Filling of the Woodland Heights School yard.
- Filling of the Lamar School yard.
- Filling of the Cascara School yard.
- Filling at the wharf.

In the past year this department purchased twenty-two head of mules, and wish to mention that by having its own teams, the city nets a larger saving in the expense than by employing teams and teamsters as under the old method, and herewith give a list of mules and machinery purchased by the city :

22 head of mules.....	\$5,745.00
2 squeegee, or street-washing machines.....	2,643.12
3 street sprinklers	1,189.05
18 street cans and 3 carriers.....	195.00
5 sets of harness.....	200.00

I regret to say that three head of mules died with lock-jaw, and two head died suddenly.

We have at the city stables at present the following stock and wagons :

- 68 head of mules.
- 24 wagons.
- 5 sweeping machines.
- 6 sprinkling machines.
- 2 squeegees, or street-washing machines.
- 34 sets double harness.
- 2 single sets harness.

DISBURSEMENTS FOR THE YEAR 1909.

I herewith beg to give you an itemized account of the entire expense of this department for the year ending February 28, 1910.

You will notice in the expense account of the department I have deducted the amount of \$1,659.13, which amount has been paid by the Houston Electric Company as their portion of the expense in repairing the city bridges on which the company operates cars.

Also have deducted the amount of \$2,291.45, which amount was expended by the City Engineer's Department, but was charged to the Street and Bridge Department.

General Foremen, Inspectors and Clerks—

Salary\$ 3,470.60

Equipments—

Supplies 2,471.03
 Blacksmith 2,729.70
 Broom maker 709.66
 Lumber 16.04
 Harness 277.29
 Freight 7.40
 Electric wiring, salary..... 10.50

Bridges—

Bridge gang 9,543.96
 Painting bridges 56.72
 Bridge tenders 3,600.00
 Lumber 13,980.87
 Miscellaneous 57.38
 Repairs 77.49
 Supplies 455.25

Live Stock—

Foreman 1,593.45
 Watchman 126.00
 Feed 9,144.19
 Miscellaneous 190.65

<i>Street Cleaning—</i>	
Flushing	1,985.00
Oiling ditches	463.85
Business district	5,780.10
Sprinkling	2,180.00
Tunnel man	1,890.90
Keeping paved-street drains open.....	1,470.40
Cleaning paved streets.....	12,326.70
Sweeping at night.....	3,646.40
Cutting weeds during summer.....	213.20
Miscellaneous	40.30
Telephone	5.00
<i>Street Repairing—</i>	
Ditching	16,576.22
Teamsters filling holes.....	358.40
Brick work, fixing culverts.....	192.67
Convict teams and guards.....	3,034.75
Pavers	946.51
Grading	4,176.95
Carts filling holes on paved streets.....	2,830.34
Supplies	77.40
Spreading shell	337.54
Miscellaneous	6.45
Engineer department.....	875.20
<i>Other Expense—</i>	
Miscellaneous	379.91
Telephone	50.00
Electric lights	62.60
Watchman	409.50
Engineer department.....	135.05
Insurance on barn.....	121.00
<i>Extraordinary—</i>	
Salary	2,962.17
Supplies	4,470.44
Lumber	1,155.74
Freight	70.17
Purchase of street can and carriers.....	195.00
Purchase of mules.....	5,745.00
Engineer department.....	1,281.20
Purchase of sweeping machines.....	1,189.05
Purchase of sprinkling machines.....	1,310.12
Purchase of harness.....	200.00
Grading and widening streets.....	796.05
TOTAL EXPENSE	\$128,455.46

CREDIT.

Expended by Engineer's Department and charged to Street and Bridge Department	\$2,291.45	
Refunded by Houston Electric Co., their portion of expense repairing bridges, on which they operate cars	1,659.13	3,950.58
Net expense of Street and Bridge Department		\$124,504.88

The following shows the amount expended on the bridges during the past year:

Louisiana Street bridge.....	\$1,380.24
San Jacinto Street bridge.....	942.32
Crocket Street bridge.....	820.80
Sabine Street bridge.....	597.10
Fannin Street bridge.....	342.60
White Oak Bayou bridge.....	243.37
Preston Street bridge.....	245.54
Beauchamp Springs bridge.....	286.33
Hill Street bridge.....	237.00
Clinton Road bridge.....	113.44
Houston Avenue bridge.....	56.40
Franklin Street bridge.....	102.17
Milam Street bridge.....	34.70
McKee Street bridge.....	29.80

Total\$5,431.81

I respectfully recommend that the main pier at the McKee Street bridge, upon which the draw works, be reinforced. This pier has been sinking and throwing the draw out of line and it is a source of annoyance and a great expense to keep it working in its present condition.

I also recommend that a large increase in the budget allowance be made for the ensuing year in the Street and Bridge Department, commensurate with the rapid growth and extension of the city.

Respectfully submitted,

J. KENNEDY,

Street and Bridge Commissioner.

ANNUAL REPORT

OF

DAN C. SMITH, JR.,
CITY CONTROLLER,

For the Year Ending February 28, 1910.

REPORT OF CITY CONTROLLER.

HOUSTON, TEXAS, March 7, 1910.

To the Honorable Mayor and City Council of the City of Houston.

GENTLEMEN:—I herewith submit to you my annual report for the fiscal year ending February 28, 1910, which embraces the following exhibits and schedules of detail, to-wit:

Exhibit "A":

SCHEDULE.

- No. 1. Property and improvements.
- No. 2. Outstanding bills for collection.
- No. 3. Warrants outstanding.
- No. 4. Special deposits repayable.
- No. 5. Bonded debt.

Exhibit "B," revenue and expense for the years ended February 28, 1910 and 1909:

SCHEDULE.

- Nos. 1 and 2. Revenues classified and compared.
- Nos. 2, 3 and 4. Expenses classified and compared.
- No. 5. Disbursements general fund for permanent improvements.

Exhibit "C," itemized statement of miscellaneous improvements.

Exhibit "D," statement of bond fund disbursements.

Exhibit "E," cash receipts and disbursements for the fiscal year ended February 28, 1910.

Exhibit "F," statement of departmental expenses for the year ended February 28, 1910, with the appropriations made therefor.

I wish to call your attention to Schedule No. 3 of Exhibit "A," which is an itemized statement of warrants outstanding February 28, 1910, amounting to \$73.10. I did my utmost to eliminate this schedule entirely, but the parties in whose favor these warrants were drawn failed to present them for payment at bank, before the close of our fiscal year as requested.

You will also note by my report that the city has no current liability, except what is provided for by cash in bank.

Respectfully submitted,

DAN C. SMITH, JR.,

Controller.

Comparative General Balance Sheet, February 28, 1910 and 1909.

ASSETS.

AVAILABLE:

Cash—	February 28, 1910.	February 28, 1909.	Increase or Decrease
In hands of City Treasurer:			
General Fund	\$ 17,696.67	\$ 22,062.69	*\$ 4,366.02
Bond Funds:			
Paving	35,223.82	33,910.65	1,313.17
Water Mains .....	.....	104,129.17	* 104,129.17
Wharfs and Slips	88,429.11	156,193.75	* 67,764.64
Drainage Sewers	186,759.66	234,291.14	* 47,531.48
Sanitary Sewers	182,259.74	234,291.14	* 52,031.40
School Fund	1,695.69	* 6,804.05	8,499.74
Special Deposit Fund	1,101.70	541.70	560.00
Water Department Fund	10,835.23	6,610.13	4,225.10
TOTAL	\$ 524,001.62	\$ 785,226.32	*\$261,224.70
Cash in Other Hands:			
Board of Liquidation	\$ 53,123.44	\$ 51,980.80	\$ 1,142.64
Assessor and Collector	4,939.76	53,999.16	* 49,059.40
Police Department	* 25.11	* 114.26	89.15
Scavenger Department .....	.....	4.50	* 4.50
Electrical Department	17.50	98.90	* 81.40
Market Master .....	.....	523.00	* 523.00
TOTAL	\$ 58,055.59	\$ 106,492.10	*\$ 48,436.51
Working Funds:			
City Attorney	\$ 25.00	\$ 25.00	.....
Delinquent Tax Department .....	.....	25.00	* 25.00
Assessor and Collector	650.00	650.00	.....
Police Department	50.00	50.00	.....
Water Department	50.00	50.00	.....
TOTAL	\$ 775.00	\$ 800.00	*\$ 25.00
TOTAL CASH IN OTHER HANDS	\$ 58,830.59	\$ 107,292.10	*\$ 48,461.51
GRAND TOTAL CASH	\$ 582,832.21	\$ 892,518.42	*\$309,686.21
Accounts Receivable—			
Taxes in hands of Assessor and Collector	\$ 380,769.78	\$ 430,729.26	*\$ 49,959.48
Other Items in hands of Collector for collection	185.75	168.75	17.00
Bills for Collection (Sched. No. 2) ..	4,530.37	9,753.10	* 5,222.73
Water Department Bills	40,898.92	54,518.31	* 13,619.39
Scavenger Department Bills	1,365.95	953.45	412.50
Miscellaneous Land Notes .....	.....	12,500.00	* 12,500.00
State of Texas "School Fund"	2,531.21	2,090.79	440.42
TOTAL ACCOUNTS RECEIVABLE	\$ 430,281.98	\$ 510,713.66	*\$ 80,431.68
TOTAL AVAILABLE ASSETS	\$1,013,114.19	\$1,403,232.08	*\$390,117.89
NOT AVAILABLE:			
Property and Improvements (Schedule No. 1)	\$6,973,325.46	\$6,248,255.66	\$725,069.80
Sinking Fund (Harris County Bonds) ..	120,220.00	90,836.00	29,384.00
Stock Supplies (Horse Feed)	286.55	.....	286.55
TOTAL ASSETS	\$8,106,946.20	\$7,742,323.74	\$364,622.46

*Decrease.

Exhibit "A".

(Continued)—1.

Comparative General Balance Sheet, February 28, 1910 and 1909.

LIABILITIES.

	February 28, 1910.	February 28, 1909.	Increase or decrease
CURRENT:			
Warrants outstanding (Sched. No. 3)	\$ 76.31	\$ 14,784.29	*\$ 14,707.98
Audited Vouchers		37,532.48	* 37,532.48
Interest Accrued on Bond Debt, not due	57,818.62	55,656.12	2,162.50
Special Deposits (Sched. No. 4)	2,595.40	4,595.40	* 2,000.00
Miscellaneous		1,444.64	* 1,444.64
Unclaimed Wages	640.58		640.58
TOTAL CURRENT LIABILITIES	\$ 61,130.91	\$ 114,012.93	*\$ 52,882.02
BONDED DEBT (Schedule No. 5)	\$4,819,000.00	\$4,719,000.00	\$100,000.00
WATER WORKS MORTGAGE	\$ 467,000.00	\$ 467,000.00	
CERTIFICATES OF IND'BT'NESS (Storrie)	\$ 10,300.00	\$ 20,900.00	*\$ 10,600.00
REFUND PAVING CERTIFICATES	\$ 254,498.25	\$ 278,451.16	*\$ 23,952.91
TOTAL LIABILITIES	\$5,611,929.16	\$5,599,364.09	\$ 12,565.07
EXCESS OF ASSETS OVER LIABILITIES	\$2,495,017.04	\$2,142,959.65	\$352,057.39
TOTAL	\$8,106,946.20	\$7,742,323.74	\$364,622.46

*Decrease.

Exhibit "A".

(Concluded)—2.

Property and Improvements, February 28, 1910 and 1909.

	February 28, 1910.	February 28, 1909.	Increase or decrease
Legal Department:			
Law Library	\$ 824.10	\$ 726.00	\$ 98.10
Assessor and Collector:			
Stewart Block Book System	\$ 10,000.00	\$ 10,000.00	.....
City Hall and Market House.....	\$ 642,022.20	\$ 642,022.20	.....
Furniture and Fixtures.....	873.67	209.75	\$ 663.92
TOTAL	\$ 642,895.87	\$ 642,231.95	\$ 663.92
Police Department:			
City Jail	\$ 52,099.00	\$ 52,099.00	.....
Automobile	2,167.60	2,167.60	.....
Motor Cycles	1,037.43	.....	\$ 1,037.43
Bertillon System	891.00	.....	891.00
TOTAL	\$ 56,195.03	\$ 54,266.60	\$ 1,928.43
Fire Department:			
Central Station	\$ 92,910.11	\$ 92,910.11	.....
Hose Company No. 1.....	7,648.50	7,648.50	.....
Fire Station No. 2.....	50.00	.....	\$ 50.00
Fire Station No. 3.....	10,182.31	9,677.35	505.46
Fire Station No. 5.....	13,528.50	13,528.50	.....
Fire Station No. 6.....	11,031.13	10,481.13	550.00
Fire Station No. 7.....	14,281.44	13,595.24	686.20
Fire Station No. 8.....	14,425.00	14,425.00	.....
Fire Station No. 9 (old).....	10,768.50	10,768.50	.....
Fire Station No. 9 (new).....	21,249.77	21,191.81	57.96
Fire Station No. 10.....	15,124.00	15,124.00	.....
Fire Station, Harrisburg Road.....	2,200.00	.....	2,200.00
Automobile	1,480.27	.....	1,480.27
TOTAL	\$ 214,880.03	\$ 209,350.14	\$ 5,529.89
Electrical Department:			
Fire Alarm Telegraph.....	\$ 34,045.04	\$ 18,987.11	\$ 15,057.93
Automobile	1,395.00	.....	1,395.00
TOTAL	\$ 35,440.04	\$ 18,987.11	\$ 16,452.93
Health Department:			
Smallpox Camp	\$ 624.50	\$ 624.50	.....
Scavenger Department	\$ 3,400.00	\$ 3,400.00	.....
Street and Bridge Department.....	\$ 57,521.06	\$ 38,062.22	\$ 19,458.84
City Stables	2,686.43	2,686.43	.....
Opening Streets	28,874.46	27,829.46	1,045.00
Bridges	63,456.48	61,850.00	1,606.48
TOTAL	\$ 152,538.43	\$ 130,428.11	\$ 22,110.32
Garbage Department	\$ 4,138.76	\$ 4,138.76	.....
Sewer Department:			
Sanitary System—pumping station...\$	70,935.21	\$ 70,935.21	.....
Sanitary System—filter beds.....	111,761.76	111,761.76	.....
Sanitary System—intercepting	137,053.98	137,053.98	.....
Sewers, subsequent to Jan. 1, 1899....	238,634.40	183,708.42	\$ 54,925.98
Drainage sewers	47,531.48	.....	47,531.48
TOTAL	\$ 605,916.83	\$ 503,459.37	\$102,457.46
Asphalt Plant	\$ 3,000.00	.....	\$ 3,000.00
FORWARD	\$1,729,853.59	\$1,577,612.54	\$152,241.05

*Decrease.

Exhibit "A"—Schedule No. 1.

(Continued)—1.

Property and Improvements, February 28, 1910 and 1909.

(CONTINUED.)

	February 28, 1910.	February 28, 1909.	Increase or Decrease
AMOUNT BROUGHT FORWARD.....	\$1,729,853.59	\$1,577,612.54	\$152,241.05
Schools:			
High School.....	\$ 226,638.58	\$ 167,925.89	\$ 58,712.69
Rusk	25,400.00	25,400.00	.....
Longfellow	175,000.00	175,000.00	.....
Fannin	68,122.98	68,122.98	.....
Taylor	22,587.50	22,587.50	.....
Dow	23,544.60	20,583.00	2,961.60
Hawthorne	29,700.00	29,700.00	.....
Cascara	40,219.70	39,800.00	419.70
Jones	36,612.30	36,126.00	486.30
Allen (site donated).....	46,528.77	46,528.77	.....
Austin	26,898.75	26,898.75	.....
Lubbock	48,147.18	48,147.18	.....
Reagan	44,513.74	44,513.74	.....
Beauchamp Springs.....	470.00	470.00	.....
Site (Washington St.).....	5,000.00	5,000.00	.....
Woodland Heights.....	39,604.83	21,596.25	18,008.58
Lamar	55,269.68	50,091.48	5,178.20
High School (colored).....	32,450.00	32,450.00	.....
Bingham Street (colored).....	4,893.50	4,893.50	.....
First Ward (colored).....	3,800.00	3,800.00	.....
Douglass (colored).....	12,847.00	12,847.00	.....
Fifth Ward (colored).....	7,430.70	5,000.00	2,430.70
Langston (colored).....	10,580.00	10,580.00	.....
Fourth Ward (colored).....	11,690.00	11,690.00	.....
Palmer Street (colored).....	8,840.86	8,840.86	.....
Additions in 1905 (colored).....	9,700.95	9,700.95	.....
Barr Addition (colored).....	5,700.00	.....	5,700.00
TOTAL.....	\$ 864,691.62	\$ 770,793.85	\$ 93,897.77
Water Plant.....	\$1,211,404.94	\$1,026,132.78	\$185,272.16
Parks:			
Sam Houston.....	\$ 37,641.73	\$ 37,248.60	\$ 393.13
Cleveland	50,500.00	50,500.00	.....
Elizabeth Baldwin (site donated)....	193.75	.....	193.75
TOTAL.....	\$ 88,335.48	\$ 87,748.60	\$ 586.88
Carnegie Library.....	\$ 8,619.62	\$ 8,619.62	.....
Auditorium	\$ 99,922.79	.....	\$ 99,922.79
Houston Ship Channel.....	\$ 86,983.36	\$ 65,508.85	\$ 21,474.51
Wharves and Slips.....	\$ 67,770.75	.....	\$ 67,770.75
Street paving subsequent to Jan. 1, 1899..	\$1,155,897.15	\$1,051,993.26	\$103,903.89
Undistributed, prior to Jan. 1, 1899.....	\$1,659,846.16	\$1,659,846.16	.....
TOTAL.....	\$6,973,325.46	\$6,248,255.66	\$725,069.80

Outstanding Bills for Collection—General—At February 28, 1910

No.		Amount
352	Robischung Bros.....	\$ 17.50
368	J. W. Thiel.....	5.00
370	Harris County.....	465.99
404	E. C. Lamb.....	3.50
420	Geo. W. Larendon.....	9.25
423	Pottliff & Griffin.....	105.00
454	Miss Kate Scanlan.....	7.50
486	Houston Electric Co.....	28.33
497	T. H. Thompson.....	52.20
498	Richard Rogers.....	102.00
501	B. N. McCraven.....	86.40
506	Mrs. Julia Reiler.....	30.60
513	Houston Gas Co.....	4.70
519	Texas Grading Co.....	7.50
538	Texas Grading Co.....	7.00
543	Houston Gas Co.....	16.30
547	Citizens' Telephone Co.....	3.75
553	Mrs. E. Flewellen.....	68.15
554	S. S. Ashe.....	70.50
582	Houston Electric Co.....	462.00
588	Capt. Curry.....	24.00
608	Texas Grading Co.....	37.50
611	Houston Electric Co.....	78.50
619	P. S. Griffith.....	109.20
651	Houston Electric Co.....	22.50
661	Collins Bros.....	18.00
662	G. H. & H. Transportation Co.....	333.61
685	Southern Pacific Railway Co.....	1,017.77
692	Home Telephone Co.....	6.25
705	Mrs. E. Flewellen.....	3.65
706	Dudley Bros.....	2.10
708	H. S. Fox.....	1.25
709	Taylor, Roberts & Co.....	13.60
747	M. K. & T. Ry. Co.....	2.00
756	Houston Electric Co.....	28.33
761	Stevens Construction Co.....	16.50
762	Collins Bros.....	45.00
763	Houston Electric Co.....	46.13
764	Houston Electric Co.....	478.65
765	Houston Electric Co.....	14.22
766	Houston Electric Co.....	8.40
767	Houston Electric Co.....	12.55
768	Houston Electric Co.....	12.35
769	Houston Electric Co.....	12.50
770	Houston Electric Co.....	5.96
771	Houston Electric Co.....	6.00
772	Houston Electric Co.....	2.40
773	G. H. & S. A. Ry. Co.....	265.20
775	Houston Electric Co.....	6.50
776	Houston Light & Power Co.....	307.50
777	Houston Light & Power Co.....	10.75
778	Houston Electric Co.....	28.33
TOTAL.....		\$4,530.37

Exhibit "A"—Schedule No. 2.

List of Warrants Outstanding, February 28, 1910.

CITY WARRANTS:

No.		Amount
9961	H. A. Paine.....	\$ 38.25
11450	Hobson Electric Co.....	16.91
11451	Houston Broom Factory.....	10.00
11464	Jos. F. Meyer Co.....	6.85
11477	Texas Auto & Tire Works.....	3.50
	TOTAL.....	\$ 75.51

SCHOOL WARRANTS:

2329	Capital Pharmacy.....	\$.80
	GRAND TOTAL.....	\$ 76.31

Exhibit "A"—Schedule No. 3.

Special Deposits Payable at February 28, 1910.

	Folio	Amount
J. W. Thiel.....	9	\$ 60.00
Modern Plumbing Co.....	12	30.00
Frank Maurand.....	13	35.00
Lead Pipe Plumbing Co.....	15	10.00
Western Union Telegraph Co.....	22	200.00
Southwestern Tel. & Tel. Co.....	23	250.00
Houston Gas Co.....	24	500.00
F. L. Putnam.....	30	110.00
H. T. F. Williams.....	32	10.00
N. G. Kittrell, Jr.....	33	20.00
F. E. Koehler.....	33	10.00
O. Gersteman.....	40	30.00
R. L. Carroll.....	42	10.00
Union Iron Works.....	42	10.00
M. L. Arin.....	42	10.00
H. W. Threlkeld.....	42	20.00
H. L. Stevens.....	43	25.00
Mrs. Louise Attra.....	44	10.00
F. J. Bissonette.....	44	10.00
W. T. Scott.....	44	20.00
Lee Seep.....	45	10.00
H. Radoff.....	46	10.00
J. O. Ross.....	50	10.00
Collins Bros.....	54	76.00
Houston Saw Mill Co.....	55	20.00
F. Stech.....	55	10.00
Theo. C. Miller.....	57	10.00
W. S. Hipp.....	60	15.00
T. E. Jewett.....	60	15.00
W. J. Keenan.....	61	70.00
C. Cramer.....	62	10.00
McNeely & Heltman.....	64	10.00
Keithly Co.....	66	100.40
C. H. Condon & Co.....	67	28.50
Albert Glaser.....	67	10.00
Scanlan & Bartell.....	68	10.00
Commercial and First National Banks.....	68	25.00
F. C. Van Liew.....	69	75.00
G. H. & H. Transportation Co.....	72	10.00
R. J. Potts.....	74	10.00
People's Ice Co.....	77	10.00
W. W. Brunson.....	77	25.00
Palmer & McGregor.....	77	10.00
Robischung Bros.....	80	155.00
Barber Plumbing Co.....	83	480.50
TOTAL.....		\$2,595.40

Exhibit "A"—Schedule No. 4.

Bonded Debt, February 28, 1910.

Date Issued		Rate	Amount
Jan. 1, 1882	30-year funding bonds.....	6%	\$ 524,000.00
July 1. 1888	30-year compromise bonds.....	6%	500,000.00
July 1. 1888	30-year compromise bonds.....	5%	503,000.00
May 1, 1894	30-year public school building bonds.....	6%	100,000.00
May 1, 1896	40-year bridge building bonds.....	5%	39,000.00
Jan. 1, 1897	40-year Market House funding bonds.....	5%	109,000.00
July 1, 1897	40-year paving and sewer bonds.....	5%	250,000.00
Dec. 1, 1897	40-year school building bonds.....	5%	50,000.00
Jan. 1, 1898	25-year school building refunding bonds.....	5%	60,000.00
July 1, 1898	40-year paving, sewer and permanent im- provement bonds.....	5%	100,000.00
Jan. 2, 1899	40-year paving and sewer bonds.....	5%	100,000.00
Nov. 15, 1899	40-year sewerage and sanitary system bonds.	5%	300,000.00
Aug. 1, 1901	40-year paving bonds.....	5%	240,000.00
Aug. 1, 1901	40-year sewer bonds.....	5%	60,000.00
Aug. 1, 1901	40-year school building bonds.....	5%	50,000.00
Aug. 15, 1903	40-year market, engine and school house bonds.....	5%	100,000.00
Oct. 1, 1903	40-year paving bonds.....	5%	300,000.00
Oct. 1, 1904	40-year improvement bonds.....	5%	100,000.00
July 16, 1906	40-year water works bonds.....	5%	434,000.00
Aug. 5, 1908	30-year permanent paving bonds.....	5%	100,000.00
Oct. 26, 1908	30-year water mains extension bonds.....	4½%	100,000.00
Oct. 26, 1908	30-year wharf and slip construction bonds...	4½%	150,000.00
Oct. 26, 1908	30-year-sewer drainage construction bonds...	4½%	225,000.00
Oct. 26, 1908	30-year sanitary sewer construction bonds...	4½%	225,000.00
Sept. 7, 1909	30-year permanent paving bonds.....	4½%	100,000.00
TOTAL.....			\$4,819,000.00

**Statement of Revenue and Expense for the Years Ended
February 28, 1910 and 1909.**

REVENUE—	1910.	1909.
Exhibit "B," Schedule No. 1—Ordinary.....	\$1,523,969.42	\$1,385,329.60
Exhibit "B," Schedule No. 2—Extraordinary.....	15,000.00	900.00
TOTAL REVENUE.....	\$1,538,969.42	\$1,386,229.60
EXPENSE—		
Exhibit "B," Schedule No. 3—Ordinary.....	\$1,165,213.09	\$1,037,776.54
Exhibit "B," Schedule No. 4—Extraordinary.....	34,552.91	33,679.55
TOTAL EXPENSE.....	\$1,199,766.00	\$1,071,456.09
Excess of revenue over expense.....	\$ 339,203.42	\$ 314,773.51
<i>Disbursements for Permanent Improvements from</i>		
<i>General Revenues—</i>		
Exhibit "B," Schedule No. 5.....	\$ 349,968.31	\$ 308,263.46
REVENUE IN EXCESS OF TOTAL DISBURSEMENTS..*	\$ 10,764.89	\$ 6,510.05

*Deficiency.

Exhibit "B".

Revenue, Classified and Compared, for the Fiscal Years Ended February 28, 1910 and 1909.

	1910.	1909.	Increase or Decrease
GENERAL GOVERNMENT:			
<i>Law Department—</i>			
City Attorney's Office.....	\$ 1,042.63	\$ 26.85	\$ 1,015.78
<i>Finance Department—</i>			
Assessor and Collector:			
Interest	\$ 10,282.45	\$ 8,694.99	\$ 1,587.46
Advertising and Costs.....	3,768.32	2,838.25	930.07
TOTAL FINANCE DEPARTMENT....	\$ 14,050.77	\$ 11,533.24	\$ 2,517.53
TOTAL GENERAL GOVERNMENT.....	\$ 15,093.40	\$ 11,560.09	\$ 3,533.31
PUBLIC SAFETY:			
<i>Police Department—</i>			
Special Details and Appointments...\$	2,374.00	\$ 2,428.50	*\$ 54.50
Pound Fees.....	3,692.30	2,994.10	698.20
Dog Licenses.....	302.00	582.00	* 280.00
Other	36.50	77.40	* 40.90
TOTAL.....	\$ 6,404.80	\$ 6,082.00	\$ 322.80
<i>Corporation Court—</i>			
Fines and Costs.....	\$ 16,994.05	\$ 11,844.15	\$ 5,149.90
<i>Fire Department—</i>			
Miscellaneous	\$ 728.50	\$ 512.00	\$ 216.50
<i>Health Department—</i>			
Miscellaneous	\$ 33.60	\$ 10.50	\$ 23.10
<i>Scavenger Department.....</i>	<i>\$ 17,052.75</i>	<i>\$ 15,738.75</i>	<i>\$ 1,314.00</i>
<i>Electrical Department.....</i>	<i>\$ 3,422.20</i>	<i>\$ 2,810.15</i>	<i>\$ 612.05</i>
TOTAL PUBLIC SAFETY.....	\$ 44,635.90	\$ 36,997.55	\$ 7,638.35
PUBLIC WORKS:			
<i>City Engineer—</i>			
Survey Fees.....	\$ 869.00	\$ 804.50	\$ 64.50
Building Permits.....	2,655.00	2,360.50	394.50
Plumbing and Sewer Inspection Fees	1,379.95	1,093.55	286.40
Other	563.20	261.00	302.20
TOTAL.....	\$ 5,467.15	\$ 4,519.55	\$ 947.60
<i>Streets and Bridges Department.....</i>	<i>\$ 3,347.94</i>	<i>\$ 7,462.32</i>	<i>*\$ 4,114.38</i>
<i>Garbage Department.....</i>	<i>\$ 4.00</i>	<i>\$ 2.00</i>	<i>\$ 2.00</i>
<i>Sewer System.....</i>	<i>\$</i>	<i>\$ 6.40</i>	<i>*\$ 6.40</i>
TOTAL PUBLIC WORKS.....	\$ 8,819.09	\$ 11,990.27	*\$ 3,171.18
REVENUE (Forward).....	\$ 68,548.39	\$ 60,547.91	\$ 8,000.48

*Decrease.

Exhibit "B"—Schedule No. 1.

(Continued)—1.

**Revenue, Classified and Compared, for the Fiscal Years Ended
February 28, 1910 and 1909—Continued.**

	1910.	1909.	Increase or Decrease
REVENUE (<i>Forward</i>).....	\$ 68,548.39	\$ 60,547.91	\$ 8,000.48
PUBLIC INDUSTRIES:			
<i>Markets</i>	\$ 19,936.30	\$ 19,133.75	\$ 802.55
<i>Water Department—</i>			
Water rates.....	\$ 94,963.40	\$ 108,555.80	*\$ 13,592.40
Meters	70,170.18	48,646.45	21,523.73
Sundries	4,611.69	1,646.53	2,965.16
Services	8,637.70	5,989.70	2,648.00
Monthly	31,280.00	32,167.00	* 887.00
TOTAL.....	\$ 209,662.97	\$ 197,005.48	\$ 12,657.49
TOTAL PUBLIC INDUSTRIES.....	\$ 229,599.27	\$ 216,139.23	\$ 13,460.04
PUBLIC EDUCATION, RECREATION AND ART:			
Schools	\$ 110,107.78	\$ 105,293.26	\$ 4,814.52
Parks	572.25	400.00	172.25
TOTAL PUBLIC EDUCATION, AND ART.....	\$ 110,680.03	\$ 105,693.26	\$ 4,986.77
TAXATION:			
<i>Ad Valorem Tax</i>	\$1,024,599.52	\$ 927,250.20	\$ 97,349.32
<i>Occupation Tax—</i>			
Liquor	\$ 26,257.45	\$ 19,789.00	\$ 6,468.45
Beer	6,936.05	5,820.85	1,115.20
Other	3,431.00	3,889.28	* 458.28
TOTAL.....	\$ 36,624.50	\$ 29,499.13	\$ 7,125.37
<i>Poll Tax</i>	\$ 7,029.00	\$ 6,998.00	\$ 31.00
<i>Franchise Tax</i>	\$ 21,807.80	\$ 7,871.73	\$ 13,936.07
TOTAL TAXATION.....	\$1,090,060.82	\$ 971,619.06	\$118,441.76
PREMIUM ON BONDS.....	\$ 1,000.00	\$ 25,681.00	*\$ 24,681.00
MISCELLANEOUS	\$ 24,080.91	\$ 5,649.14	\$ 18,431.77
TOTAL ORDINARY REVENUES.....	\$1,523,969.42	\$1,385,329.60	\$138,639.82

*Decrease.

Exhibit "B"—Schedule No. 1.

(Concluded)—2.

REVENUE—EXTRAORDINARY	\$ 15,000.00	\$ 900.00	\$ 14,100.00
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Exhibit "B"—Schedule No. 2.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1910 and 1909.

ORDINARY EXPENSE—

GENERAL GOVERNMENT:

Executive—

	1910.	1909.	Increase or Decrease
Mayor's Office:			
Salaries	\$ 4,000.00	\$ 4,000.00	.....
Other	713.65	2,733.35	*\$ 2,019.70
TOTAL EXECUTIVE.....	\$ 4,713.65	\$ 6,733.35	*\$ 2,019.70

Legislative—

City Council:			
Salaries	\$ 9,600.00	\$ 9,600.00	.....
<i>City Secretary—</i>			
Salaries	\$ 1,200.00	\$ 1,200.00	.....
Stationery and printing.....	62.65	106.70	*\$ 44.05
Other	224.10	199.35	24.75
TOTAL.....	\$ 1,486.75	\$ 1,506.05	*\$ 19.30
TOTAL LEGISLATIVE.....	\$ 11,086.75	\$ 11,106.05	*\$ 19.30

Law Department—

City Attorney's Office:			
Salaries	\$ 9,271.96	\$ 8,377.95	\$ 894.01
Court costs.....	1,821.62	752.05	1,069.57
Other	688.46	1,392.72	* 704.26
TOTAL LAW DEPARTMENT.....	\$ 11,782.04	\$ 10,522.72	\$ 1,259.32

Finance Department—

City Controller's Office:			
Salaries	\$ 4,350.00	\$ 3,978.23	\$ 371.77
Stationery and printing.....	84.50	165.75	* 81.25
Other	385.15	12.00	373.15
TOTAL.....	\$ 4,819.65	\$ 4,155.98	\$ 663.67
Treasurer's Office:			
Salaries	\$ 600.00	\$ 600.00	.....
Stationery and printing.....	23.50	.....	\$ 23.50
TOTAL.....	\$ 623.50	\$ 600.00	\$ 23.50
City Assessor and Collector:			
Salaries	\$ 13,439.40	\$ 13,670.75	*\$ 231.35
Advertising	655.70	586.54	69.16
Stationery and printing.....	897.20	685.20	212.00
Other	796.10	335.95	460.15
TOTAL.....	\$ 15,788.40	\$ 15,278.44	\$ 509.96
TOTAL FINANCE DEPARTMENT.....	\$ 21,231.55	\$ 20,034.42	\$ 1,197.13

GENERAL GOVERNMENT (Forward).....	\$ 48,813.99	\$ 48,396.54	\$ 417.45
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*Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—1.

**Expense, Classified and Compared, for the Fiscal Years Ended
February 28, 1910 and 1909—Continued.**

	1910.	1909.	Increase or Decrease
ORDINARY EXPENSE (Continued).			
GENERAL GOVERNMENT (Forward).....	\$ 48,813.99	\$ 48,396.54	\$ 417.45
<i>Miscellaneous—</i>			
City Hall:			
Repairs and renewals.....	\$ 973.51	\$ 468.45	\$ 505.06
Salaries—operation	1,441.60	1,385.60	56.00
Other—operation	1,392.52	2,382.80	* 990.28
TOTAL.....	\$ 3,807.63	\$ 4,236.85	*\$ 429.22
Elections:			
Salaries—judges and clerks....	\$ 471.40	\$ 618.50	*\$ 147.10
Stationery and printing.....	417.25	176.22	241.03
Other	157.61	203.00	* 45.39
TOTAL.....	\$ 1,046.26	\$ 997.72	\$ 48.54
Damages Not Chargeable to Dep'ts:			
Injuries to individuals.....	\$ 552.50	\$ 685.90	*\$ 133.40
Damages to property.....	134.75	1,060.00	* 925.25
TOTAL.....	\$ 687.25	\$ 1,745.90	*\$ 1,058.65
Interest on Bonded Debt.....	\$ 271,772.50	\$ 238,676.19	\$ 33,096.31
Miscellaneous:			
Salaries	\$ 3,980.00	\$ 1,290.00	\$ 2,690.00
Other	37,462.37	25,148.84	12,313.53
TOTAL.....	\$ 41,442.37	\$ 26,438.84	\$ 15,003.53
Electric lights.....	\$ 39,945.56	\$ 38,295.23	\$ 1,650.33
TOTAL MISCELLANEOUS.....	\$ 358,701.57	\$ 310,390.73	\$ 48,310.84
TOTAL GENERAL GOVERNMENT.....	\$ 407,515.56	\$ 358,787.27	\$ 48,728.29
ORDINARY EXPENSE (Forward).....	\$ 407,515.56	\$ 358,787.27	\$ 48,728.29

*Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—2.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1910 and 1909—Continued.

	1910.	1909.	Increase or Decrease
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 407,515.56	\$ 358,787.27	\$ 48,728.29
PUBLIC SAFETY:			
<i>Police Department—</i>			
Salaries	\$ 86,826.23	\$ 76,278.89	\$ 10,547.34
Repairs and renewals of wagons and harness	17.20	7.60	9.60
Live stock—replacement and keep	476.48	526.49	* 50.01
Criminal District Attorney ass't..	200.00	2,400.00	* 2,200.00
Repairs and renewals of buildings.	258.03	299.17	* 41.14
Repairs and renewals of equipment	159.50	114.35	45.15
Light and heat.....	450.21	487.73	* 37.52
Subsistence of prisoners.....	4,207.80	4,178.03	29.77
Stationery and printing.....	184.85	181.20	3.65
Other	1,991.81	1,248.68	743.13
Repairs and renewals—pound....	9.00	.....	9.00
Other expenses—pound.....	476.47	632.32	* 155.85
TOTAL	\$ 95,257.58	\$ 86,354.46	\$ 8,903.12
<i>Corporation Court—</i>			
Salaries	\$ 1,800.00	\$ 1,800.00	.....
Other	95.20	111.25	*\$ 16.05
TOTAL	\$ 1,895.20	\$ 1,911.25	*\$ 16.05
<i>Fire Department—</i>			
Salaries	\$ 72,120.05	\$ 60,347.10	\$ 11,772.95
Repairs and renewals of buildings	1,312.78	851.92	460.86
Repairs and renewals of furniture and bedding	691.05	24.75	666.30
Repairs and renewals—equipment	6,546.74	14,124.50	* 7,577.76
Live stock—replacement and keep	10,026.74	10,878.87	* 852.13
Fuel for engines.....	441.10	1,266.07	* 824.97
Lubricants and other engine sup- plies	231.04	349.01	* 117.97
Chemicals	47.10	231.66	* 184.56
Rent	9.15	.....	9.15
Light and heat.....	2,690.12	1,241.25	1,448.87
Stationery and printing.....	52.30	63.00	* 10.70
Other	1,063.41	1,478.34	* 414.93
TOTAL	\$ 95,231.58	\$ 90,856.47	\$ 4,375.11
PUBLIC SAFETY (<i>Forward</i>).....	\$ 192,384.36	\$ 179,122.18	\$ 13,262.18
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 407,515.56	\$ 358,787.27	\$ 48,728.29

*Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—3.

**Expense, Classified and Compared, for the Fiscal Years Ended
February 28, 1910 and 1909—Continued.**

	1910.	1909.	Increase or Decrease
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 407,515.56	\$ 358,787.27	\$ 48,728.29
PUBLIC SAFETY (<i>Forward</i>).....	\$ 192,384.36	\$ 179,122.18	\$ 13,262.18
<i>Health Department—</i>			
Salaries—superintendence	\$ 4,024.96	\$ 3,699.96	\$ 325.00
Salaries—inspectors	9,132.04	4,447.50	4,684.54
Repairs and renewals—pest house	15.00	47.50	* 32.50
Operation—pest house	468.00	1,091.14	* 623.14
Quarantine expense	43.50	13.50	30.00
Drugs, chemicals and appliances.	3,527.26	3,252.65	274.61
Stationery and printing.....	137.35	88.65	48.70
Other	586.74	304.62	282.12
TOTAL	\$ 17,934.85	\$ 12,945.52	\$ 4,989.33
<i>Scavenger Department—</i>			
Salaries	\$ 9,563.07	\$ 8,282.51	\$ 1,280.56
Repairs and renewals—equipment	458.16	185.57	272.59
Live stock—replacement and keep	928.54	1,852.14	* 923.60
Stationery and printing.....	90.50	99.05	* 8.55
Other	267.44	628.06	* 360.62
TOTAL	\$ 11,307.71	\$ 11,047.33	\$ 260.38
<i>Electrical Department—</i>			
Salaries—superintendence	\$ 1,800.00	\$ 1,620.00	\$ 180.00
Salaries—inspectors	1,357.50	1,200.00	157.50
Repairs and renewals—fire alarm telegraph	1,381.50	1,666.27	* 284.77
Other	860.08	282.20	577.88
TOTAL	\$ 5,399.08	\$ 4,768.47	\$ 630.61
TOTAL PUBLIC SAFETY.....	\$ 227,026.00	\$ 207,883.50	\$ 19,142.50
PUBLIC WORKS:			
<i>Engineer's Department—</i>			
Salaries	\$ 9,050.70	\$ 9,757.50	* \$ 706.80
Repairs and renewals of instru- ments	4.95	4.35	.60
Stationery and printing.....	181.81	201.75	* 19.94
Other	394.29	537.05	* 142.76
TOTAL	\$ 9,631.75	\$ 10,500.65	* \$ 868.90
PUBLIC WORKS (<i>Forward</i>).....	\$ 9,631.75	\$ 10,500.65	* \$ 868.90
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 634,541.56	\$ 566,670.77	\$ 67,870.79

*Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—4.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1910 and 1909—Continued.

	1910.	1909.	Increase or Decrease
ORDINARY EXPENSE (Forward).....	\$ 634,541.56	\$ 566,670.77	\$ 67,870.79
PUBLIC WORKS (Forward).....	\$ 9,631.75	\$ 10,500.65	*\$ 868.90
<i>Streets and Bridges Department—</i>			
Salaries—superintendence	\$ 3,462.60	\$ 3,816.00	*\$ 353.40
Repairs and renewals—buildings	224.15	*	224.15
Repairs and renewal—equipment.	6,297.57	3,808.52	2,489.05
Repairs and renewals—bridges...	27,769.72	20,596.89	7,172.83
Live stock—replacement and keep	11,113.04	7,645.15	3,467.89
Street cleaning	29,997.69	21,169.89	8,827.80
Street repairing	29,293.30	52,066.76	* 22,773.46
Other	1,041.31	377.40	663.91
TOTAL	\$ 108,975.23	\$ 109,704.76	*\$ 729.53
<i>Garbage Department—</i>			
Salaries	\$ 17,444.90	\$ 16,903.22	\$ 541.68
Repairs and renewals—buildings.. ..	21.05	*	21.05
Repairs and renewals—equipment	17.12	319.31	* 302.19
Live stock—replacement and keep	2.50	.....	2.50
Other	23.50	206.45	* 182.95
TOTAL	\$ 17,488.02	\$ 17,450.03	\$ 37.99
<i>Sewer System—</i>			
Sanitary sewer system—pumping station, operation	\$ 13,196.45	\$ 11,587.41	\$ 1,609.04
Sanitary sewer system—pumping station, repairs and renewals...	2,080.51	1,631.28	449.23
Sanitary sewer system—filter beds	5,130.00	7,877.53	* 2,747.53
Sanitary sewer system—other....	146.10	267.75	* 121.65
Sewers—repairs and renewals....	3,613.96	1,821.31	1,792.65
Sewer inspections	1,500.00	1,500.00	.....
Other	563.00	455.15	107.85
TOTAL	\$ 26,230.02	\$ 25,140.43	\$ 1,089.59
Asphalt expense	\$ 10,962.33	.....	\$ 10,962.33
TOTAL PUBLIC WORKS.....	\$ 173,287.35	\$ 162,795.87	\$ 10,491.48
PUBLIC INDUSTRIES:			
<i>Markets—</i>			
Salaries	\$ 4,732.99	\$ 4,288.30	\$ 444.69
Repairs and renewals of buildings	2,690.16	161.90	2,528.26
Other	2,465.41	2,406.26	59.15
TOTAL	\$ 9,888.56	\$ 6,856.46	\$ 3,032.10
PUBLIC INDUSTRIES (Forward).....	\$ 9,888.56	\$ 6,856.46	\$ 3,032.10
ORDINARY EXPENSE (Forward).....	\$ 807,828.91	\$ 729,466.64	\$ 78,362.27

*Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—5.

**Expense, Classified and Compared, for the Fiscal Years Ended
February 28, 1910 and 1909—Continued.**

	1910.	1909.	Increase or Decrease
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 807,828.91	\$ 729,466.64	\$ 78,362.27
PUBLIC INDUSTRIES (<i>Forward</i>).....	\$ 9,888.56	\$ 6,856.46	\$ 3,032.10
<i>Water Department—</i>			
Salaries, operation.....	\$ 12,736.36	\$ 11,833.35	\$ 903.01
Fuel	36,654.13	32,382.80	4,271.33
Lubricating oil, waste and pack- ing	1,387.49	1,365.09	22.40
Machinery repairs	3,002.28	1,590.08	1,412.20
Building repairs	4,442.20	658.22	3,783.98
Other expenses at pump house....	1,326.27	175.32	1,150.95
Salaries—office force	9,971.45	5,110.00	4,861.45
Repairs, street service.....	7,182.59	3,155.86	4,026.73
Service connections	7,788.85	5,401.14	2,387.71
Other	2,039.54	1,660.10	379.44
TOTAL	\$ 86,531.16	\$ 63,331.96	\$ 23,199.20
TOTAL PUBLIC INDUSTRIES....	\$ 96,419.72	\$ 70,188.42	\$ 26,231.30
PUBLIC EDUCATION, RECREATION AND ART:			
<i>Schools—</i>			
Salaries	\$ 205,418.97	\$ 182,764.74	\$ 22,654.23
Repairs and renewals—buildings.	4,741.08	7,386.18	* 2,645.10
Repairs and renewals—furniture and fixtures	4,076.25	2,551.57	1,524.68
Laboratories	1,197.64	.....	1,197.64
Other school supplies.....	2,395.39	3,716.04	* 1,320.65
School libraries	233.53	416.32	* 182.79
Rent of sites and buildings.....	896.00	1,272.42	* 376.42
Primary and kindergarten.....	967.27	.....	967.27
Light and heat.....	4,808.43	4,788.76	19.67
Stationery and printing.....	1,750.15	1,432.10	318.05
Insurance	3,236.76	2,494.50	742.26
Permanent improvements.....	2,539.00	5,700.00	* 3,161.00
Manual training	4,682.71	4,611.86	70.85
Domestic science	5,297.55	3,771.46	1,526.09
Other	1,756.64	3,062.26	* 1,305.62
TOTAL	\$ 243,997.37	\$ 223,968.21	\$ 20,029.16
PARKS:			
<i>Sam Houston Park—</i>			
Salaries	\$ 840.00	\$ 770.00	\$ 70.00
Repairs and renewals—buildings.	26.24	118.60	* 92.36
Repairs and renewals—equipment	240.57	80.40	160.17
Maintenance of grounds.....	3,332.81	2,476.09	856.72
Other	3,257.27	3,707.22	* 449.95
TOTAL	\$ 7,696.89	\$ 7,152.31	\$ 544.58
<i>Cleveland Park</i>	\$ 770.20	.....	\$ 770.20
<i>Houston Lyceum and Carnegie Li- brary</i>	\$ 8,500.00	\$ 7,000.96	\$ 1,499.04
TOTAL PUBLIC EDUCATION, RECRE- ATION AND ART.....	\$ 260,964.46	\$ 238,121.48	\$ 22,842.98
TOTAL ORDINARY EXPENSE.....	\$ 1,165,213.09	\$ 1,037,776.54	\$ 127,436.55

*Decrease.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1910 and 1909—Continued.

	1910.	1909.	Increase or Decrease
EXTRAORDINARY EXPENSE:			
<i>Refund Paving Certificates</i>\$	23,952.91	\$ 22,779.55	\$ 1,173.36
<i>Certificates of Indebtedness, Storrie</i>	10,600.00	10,900.00	* 300.00
TOTAL EXTRAORDINARY EXPENSE. \$	<u>34,552.91</u>	<u>\$ 33,679.55</u>	<u>\$ 873.36</u>

Exhibit "B"—Schedule No. 4.

PERMANENT IMPROVEMENTS.

PERMANENT IMPROVEMENTS:			
<i>Miscellaneous—Exhibit "C"</i>\$	108,432.67	\$ 180,372.73	*\$ 71,940.06
<i>Auditorium</i>	99,922.79		99,922.79
<i>Houston Ship Channel</i>	21,474.51	21,903.74	* 429.23
<i>Law Department</i>	98.10		98.10
<i>City Hall</i>	663.92		663.92
<i>Police Department</i>	3,323.43		3,323.43
<i>Electrical Department</i>	15,057.93	3,134.10	11,923.83
<i>Streets and Bridges Department</i> ..	19,458.84	18,567.07	891.77
<i>Sewer Department</i>		1,321.83	* 1,321.83
<i>Water Department</i>	81,142.99	71,341.43	9,801.56
<i>Parks</i>	393.13	227.36	165.77
<i>Fire Department</i>		11,145.70	* 11,145.70
<i>Health Department</i>		249.50	* 249.50
TOTAL PERMANENT IMPROVE- MENTS	<u>\$ 349,968.31</u>	<u>\$ 308,263.46</u>	<u>\$ 41,704.85</u>

*Decrease.

Exhibit "B"—Schedule No. 5.

**Itemized Statement of Miscellaneous Improvements Shown in
Exhibit "B"—Schedule No. 5.**

SCHOOLS:

High School Annex.....	\$58,712.69
Fifth Ward (colored).....	2,430.70
Jones	486.30
Cascara	419.70
Lamar	5,178.20
Woodland Heights	18,008.58
Barr Addition (colored).....	5,700.00
Dow	2,961.60

TOTAL SCHOOL..... **\$ 93,897.77**

ASPHALT PLANT.....	3,000.00
SOUTH END SEWER.....	3,159.78
SAN JACINTO BRIDGE.....	1,106.48
McKEE STREET BRIDGE.....	500.00
ELIZARETH BALDWIN PARK.....	193.75
OPENING STREETS.....	1,045.00

FIRE DEPARTMENT:

Fire Station No. 2.....	\$ 50.00
Fire Station No. 3.....	505.46
Fire Station No. 6.....	550.00
Fire Station No. 7.....	686.20
Fire Station No. 9.....	57.96
Central Station Automobile.....	1,480.27
New Fire Station, Harrisburg Road.....	2,200.00

TOTAL

5,529.89

TOTAL MISCELLANEOUS IMPROVEMENTS.....

\$108,432.67

Exhibit "C".

**Statement of Bond Fund Disbursements, Year Ended
February 28, 1910.**

PAVING BOND FUND:

Cash on hand February 28, 1909.....	\$ 33,910.65	
Cash proceeds Bond Issue, September 7, 1909.....	103,100.00	
Cash received from bills for collection.....	2,117.06	\$139,127.71
TOTAL CASH AVAILABLE FOR PAVING.....		\$139,127.71

DISBURSEMENTS.

Street.	Amount.	
Rosalie	\$ 1,901.75	
Dennis	705.90	
Chenevert	690.48	
Rusk	731.22	
Gray	1,177.00	
Smith	8,554.94	
Preston	8,764.94	
Walker	15,742.92	
San Jacinto	16,752.10	
Dowling	2,183.44	
Westmoreland	2,588.28	
Harrisburg Road	648.40	
Fifth Ward	1,263.50	
Main	15,899.73	
Washington	15,739.02	
Travis	7,420.19	
Stuart	3,115.58	
Commerce	24.50	
TOTAL		\$103,903.89
BALANCE ON HAND FEBRUARY 28, 1910, Exhibit "A"		\$ 35,223.82

WATER MAIN BOND FUND:

Cash on hand February 28, 1909.....	\$104,129.17
Disbursements:	
Extension of Water Mains.....	\$104,129.17

WHARVES AND SLIPS BOND FUND:

Cash on hand February 28, 1909.....	\$156,193.75
Disbursements:	
Constructing wharves and slips—turning basin.....	67,764.64
BALANCE ON HAND FEBRUARY 28, 1910, Exhibit "A".	\$ 88,429.11

Exhibit "D".

(Continued)—1.

**Statement of Bond Fund Disbursements, Year Ended
February 28, 1910.**

SANITARY SEWER BOND FUND:

Cash on hand February 28, 1909..... \$234,291.14

DISBURSEMENTS.

	Amount.	
First and Sixth Wards.....	\$ 17,059.16	
Second Ward	1,616.39	
Third Ward	9,654.11	
Fourth Ward	10,495.48	
Fifth Ward	2,026.51	
Filter Beds	11,179.75	
TOTAL		52,031.40

BALANCE ON HAND FEBRUARY 28, 1910, Exhibit "A". \$182,259.74

DRAINAGE SEWER BOND FUND:

Cash on hand February 28, 1909..... \$234,291.14

DISBURSEMENTS.

	Amount.	
Austin Street Storm Sewer.....	\$ 42,923.13	
Fourth Ward Sewer.....	4,608.35	
TOTAL		\$ 47,531.48

BALANCE ON HAND FEBRUARY 28, 1910, Exhibit "A" .. \$186,759.66

**Cash Receipts and Disbursements for the Fiscal Year Ended
February 28, 1910.**

	Balance on Hand Feb. 28, 1909	Receipts	Disbursements	Balance on Hand Feb. 28, 1910
IN HANDS OF TREASURER:				
General Fund	\$ 22,062.69	\$1,517,768.93	\$1,522,134.95	\$ 17,696.67
Water Mains Bond Fund..	104,129.17	.....	104,129.17	.....
Wharfs and Slips Bond Fund	156,193.75	.....	67,764.64	88,429.11
Drainage Sewer Bond Fund	234,291.14	.....	47,531.48	186,759.66
Sanitary Sewer Bond Fund	234,291.14	.....	52,031.40	182,259.74
Paving Bond Fund.....	33,910.65	103,100.00	101,786.83	35,223.82
School Fund	* 6,804.05	295,757.90	287,258.16	1,695.69
Water Department Fund...	6,610.13	223,888.98	219,663.88	10,835.23
Special Deposits Fund.....	541.70	5,240.00	4,680.00	1,101.70
TOTAL	\$785,226.32	\$2,145,755.81	\$2,406,980.51	\$524,001.62
IN OTHER HANDS:				
Board of Liquidation.....	\$ 51,980.80	\$ 273,536.88	\$ 272,394.24	\$ 53,123.44
Assessor and Collector....	53,999.16	1,566,684.50	1,615,743.90	4,939.76
Police Department	* 114.26	23,398.85	23,309.70	* 25.11
Scavenger Department	4.50	16,640.25	16,644.75	.....
Electrical Department.....	98.90	3,150.70	3,232.10	17.50
Market Master	523.00	19,575.75	20,098.75	.....
Working Funds	800.00	.....	25.00	775.00
TOTAL	\$107,292.10	\$1,902,986.93	\$1,951,448.44	\$ 58,830.59

*Red.

**Statement of Department Expenses for the Year Ended February
28, 1910, Showing Budget Allowances and Expenses.**

	Amount Appropriated	Amount Expended	Expended More than Appropriated	Expended Less than Appropriated
EXECUTIVE:				
Mayor	\$ 5,000.00	\$ 4,713.65	\$	\$ 286.35
LEGISLATIVE:				
City Secretary	1,500.00	1,486.75	.....	13.25
City Council	9,600.	9,600.00	.....	.....
LAW DEPARTMENT:				
City Attorney	10,500.00	11,782.04	1,282.04	.....
FINANCE DEPARTMENT:				
Controller	4,250.00	4,819.65	569.65	.....
Treasurer	620.00	623.50	3.50	.....
Assessor and Collector...	13,500.00	15,788.40	2,288.40	.....
MISCELLANEOUS DEPARTMENTS:				
City Hall	3,000.00	3,807.63	807.63	.....
Elections	1,000.00	1,046.26	46.26	.....
Damages not chargeable to Departments	1,000.00	687.25	.....	312.75
Interest on Bonds.....	245,000.00	271,772.50	26,772.50	.....
Miscellaneous Expenses..	15,000.00	41,442.37	26,442.37	.....
Electric Lights.....	50,000.00	39,945.56	.....	10,054.44
PUBLIC SAFETY:				
Police Department.....	85,000.00	95,257.58	10,257.58	.....
Corporation Court.....	1,900.00	1,895.20	.....	4.80
Fire Department.....	95,000.00	95,231.58	231.58	.....
Health Department.....	16,000.00	17,934.85	1,934.85	.....
Scavenger Department...	13,000.00	11,307.71	.....	1,692.29
Electrical Department...	4,500.00	5,399.08	899.08	.....
PUBLIC WORKS:				
Engineer	12,000.00	9,631.75	.....	2,368.25
Street and Bridge.....	75,000.00	108,975.23	33,975.23	.....
Garbage	16,000.00	17,488.02	1,488.02	.....
Sewer	25,000.00	26,230.02	1,230.02	.....
Asphalt .....	.....	10,962.33	10,962.33	.....
PUBLIC INDUSTRIES:				
Market	7,000.00	9,888.56	2,888.56	.....
Water Department.....	80,000.00	86,531.16	6,531.16	.....
PUBLIC EDUCATION, RECREATION AND ART:				
Schools	231,968.75	243,997.37	12,028.62	.....
Parks	9,000.00	8,467.09	.....	532.91
Lyceum and Library....	8,500.00	8,500.00	.....	.....
EXTRAORDINARY:				
Storrie Certificates.....	6,100.00	10,600.00	4,500.00	.....
Refunding paving cetl'c's	21,000.00	23,952.91	2,952.91	.....
Buffalo Bayou.....	20,000.00	21,474.51	1,474.51	.....
Permanent Improvements	.....	328,493.80	328,493.80	.....
TOTAL	\$1,086,938.75	\$1,549,734.31	\$478,060.60	\$15,265.04
		1,086,938.75	15,265.04	
		\$ 462,795.56	\$4,62,795.56	

Exhibit "F".

Annual Report of T. C. Dunn, City Treasurer,

For Fiscal Year Ending February 28, 1910.

RECEIPTS.

	General Fund.	Special Fund.	Water Dept. Fund.	Bond Paving Fund.	Bond Issues Oct. 26, 1908 Fund.	Public School Fund.
1909.						
March	\$ 74,143.80	\$ 590.00	\$ 25,314.72	.....	.....	\$ 32,368.04
April	197,079.29	640.00	25,637.91	.....	.....	25,911.75
May	67,583.58	770.00	21,122.77	.....	.....	21,073.75
June	62,234.65	500.00	13,259.45	.....	.....	24,111.60
July	130,820.29	170.00	14,568.26	.....	.....	5,700.00
August	124,733.60	720.00	24,966.56	.....	.....	4,381.79
September	63,708.37	255.00	14,391.42	.....	.....	5,000.00
October	120,716.99	315.00	21,391.95	.....	.....	23,654.35
November	65,170.56	365.00	14,197.12	.....	.....	32,040.36
December	238,163.69	200.00	15,295.07	.....	.....	65,070.50
1910.						
January	265,069.25	430.00	20,335.06	.....	.....	19,426.08
February	108,344.86	285.00	13,408.69	\$103,100.00	.....	37,019.68
Total receipts for fiscal year ending February 28, 1910.....	\$1,517,768.93	\$5,240.00	\$223,888.98	\$103,100.00	.....	\$295,757.90
Balances brought over from last fiscal year ending Feb. 28, 1909..	22,062.69	541.70	6,610.13	33,910.65	\$728,905.20	† 6,804.05
	\$1,539,831.62	\$5,781.70	\$230,499.11	\$137,010.65	\$728,905.20	\$288,953.85

†Overdrawn.

DISBURSEMENTS.

	General	Special	Water Dept.	Bond Paving	Bond Issues	Public School
	Fund.	Fund.	Fund.	Fund.	Fund.	Fund.
1909.						
March	\$ 116,437.27	\$ 125.00	\$ 4,654.36	\$ 9,125.22	\$ 14,945.12	\$ 25,846.95
April	164,071.29	375.00	46,659.35	12,628.37	37,708.66	35,328.61
May	72,117.52	130.00	33,001.28	6,301.55	15,141.55	21,389.13
June	73,335.73	386.35	5,247.57	4,549.65	22,146.60	23,730.95
July	130,015.46	.....	18,537.26	613.65	20,424.52	6,873.28
August	92,419.33	1,020.00	6,242.28	4.15	12,424.08	2,594.08
September	87,366.41	693.65	24,943.24	.....	15,664.21	2,908.49
October	122,942.21	465.00	8,251.06	.....	11,175.36	26,328.60
November	81,981.46	405.00	21,039.10	.....	13,597.87	28,913.85
December	225,881.83	480.00	27,849.08	.....	22,415.42	65,022.10
1910.						
January	241,687.42	415.00	13,947.44	.....	39,570.34	22,043.80
February	113,879.02	185.00	9,291.86	68,564.24	46,242.96	36,278.32
Total disbursements for fiscal year						
year ending February 28, 1910.	\$1,522,134.95	\$4,680.00	\$219,662.88	\$101,786.83	\$271,456.69	\$237,258.16
Balances on hand	17,696.67	1,101.70	10,835.23	35,223.82	457,448.51	1,695.69
	<u>\$1,539,831.62</u>	<u>\$5,781.70</u>	<u>\$230,499.11</u>	<u>\$137,010.65</u>	<u>\$728,905.20</u>	<u>\$288,953.85</u>

STATE OF TEXAS. {
COUNTY OF HARRIS. } SS.

This affiant, T. C. Dunn, City Treasurer, being first duly sworn, says that the foregoing is a full and true statement of all matters relating thereto for the period covered by this report, to the best of his knowledge and belief.

T. C. DUNN,
City Treasurer.

Subscribed and sworn to before me this 5th day of March,
1910.

P. GEO. MAERCKY,
Notary Public, Harris County, Texas.

ANNUAL REPORT

OF

JAMES P. WELSH,
CITY ASSESSOR AND COLLECTOR,

**SHOWING COLLECTION AND
DISPOSITION OF TAXES**

For the Year Ending February 28, 1910.

**REPORT OF
CITY ASSESSOR AND COLLECTOR.**

HOUSTON, TEXAS, March 5, 1910.

HON. H. B. RICE,
Mayor of the City of Houston.

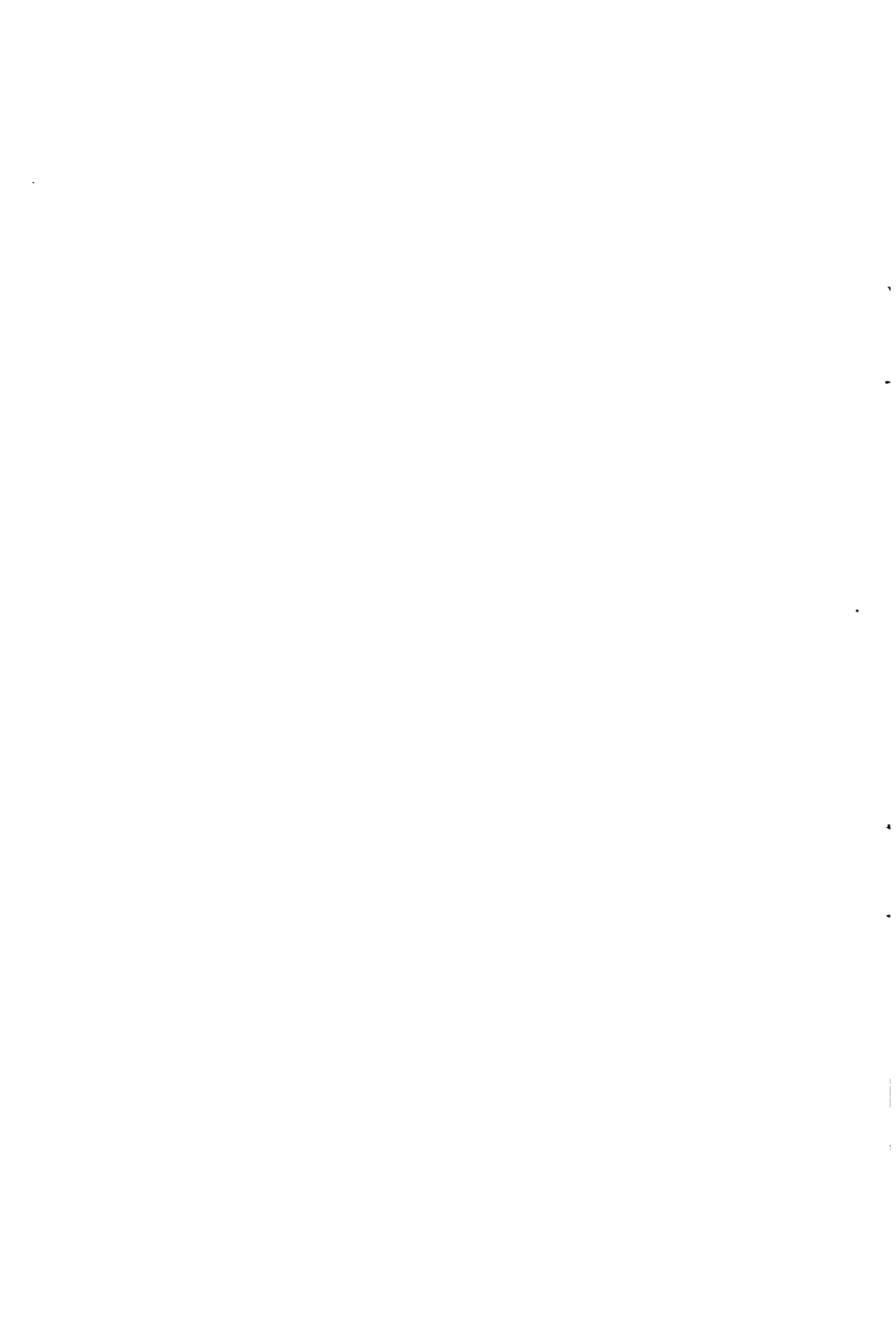
DEAR SIR: I herewith submit my annual report, beginning March 1, 1909, and ending February 28, 1910. The report speaks for itself in detail as to collections and distributions.

Yours very truly,
JAMES P. WELSH,
City Assessor and Collector.

Annual Report of Collections and Distribution Thereof.

COLLECTIONS.		
Ad Valorem Tax—Bonds.....	\$527,760.57	
General	\$527,760.81	\$1,055,521.38
Costs—Interest	\$ 10,380.08	
Advertising and other.....	3,768.32	
Court	938.87	15,087.27
Occupation Tax—Liquor.....	\$ 26,257.45	
Beer	6,936.05	
Other	3,431.00	36,624.50
Poll Tax	\$ 7,029.00	7,029.00
Franchise Tax	\$ 21,807.80	21,807.80
Special Deposits	\$ 5,150.00	
Permits and Fees.....	5,480.15	
Miscellaneous	103,844.68	
Bills for Collection.....	22,574.07	
Bills for Collection.....	70,429.44	207,478.34
Water Department	\$223,136.21	223,136.21
Total		\$1,566,684.50
Balance on hand February 28, 1909.....		53,999.16
Total		\$1,620,683.66

DISTRIBUTIONS.		
Deposited with City Treasurer, March, 1909...\$	99,907.86	
April, 1909	90,290.94	
May, 1909	39,392.35	
June, 1909	25,645.12	
July, 1909	94,568.26	
August, 1909	150,416.16	
September, 1909	63,278.14	
October, 1909	92,383.94	
November, 1909	70,158.16	
December, 1909	252,380.97	
January, 1910	284,665.05	
February, 1910	52,763.82	\$1,315,850.77
Deposited with Board of Liquidation—		
June, 1909	\$ 70,429.44	
July, 1909	20,000.00	
August, 1909	20,000.00	
September, 1909	11,107.44	
December, 1909	77,000.00	
January, 1910	75,000.00	273,536.88
Purchase of Harris County Bonds.....	\$ 26,000.00	
Interest	356.25	26,356.25
Total		\$1,615,743.90
Balance on hand February 28, 1910.....		4,939.76
Total		\$1,620,683.66



ANNUAL REPORT

OF

T. C. TARVER, JR.,
CITY ENGINEER,

For the Year Ending February 28, 1910.

REPORT OF CITY ENGINEER.

HOUSTON, TEXAS, March 1, 1910.

TO THE HONORABLE H. B. RICE,
Mayor City of Houston.

DEAR SIR:—I have the honor to submit herewith a report of operation of the Engineering Department for the year ending February 28, 1910, together with a summary or brief comparison for the past eight years.

REVIEW.

The year 1909, just ended, has been the most remarkable year of improvement for the City of Houston. Our building valuation reaches beyond the \$4,000,000.00 mark. Bank deposits exceed any previous year. In fact, business in every way has shown the same marked advance.

The chief improvements noted are those of the city itself:

The completion of one of our slips at the Turning Basin and work on the second.

The breaking of ground for the city auditorium.

The work and contract for the continuation of the Austin Street storm drain.

The extension of our sanitary mains in the First and Sixth Wards.

The sanitary sewer for the Fifth Ward.

The installation of the 15,000,000-gallon pump at the water plant.

The extension of our water mains throughout the city, which includes the 24-inch pressure main in the business district.

The establishment of the Houston Avenue fire station.

The contract for the Sampson Street fire station, on which the work has been started.

And an increase in general in our fire fighting apparatus by the addition of a chemical automobile and other equipment.

The new pavements constructed of brick, bitulithic, shell and gravel; which are tabulated further on in this report.

The work done on repairs this year, due to the continued heavy hauling of building a city, has far overreached the appropriation set apart for it.

The High School Annex was found necessary. Our public school enrollment exceeded the estimated enrollment many hundred.

It can be seen by the Building Inspector's report that factories, warehouses, office buildings, terminal passenger depot, apartment houses and residences are trying hard to keep up the pace set by the city.

Public service corporations, too, have expended a great deal towards permanent improvements. The improvements done by The Houston Electric Company, The Houston Light & Power Company, The Southwestern Telegraph & Telephone Company, and The Houston Gas Comany, are noted here.

The Houston Electric Company has spent \$316,918.52 in the past twelve months for improvements to its system of car service, tracks, power house facilities, etc. They have constructed 0.8 miles of new track, together with relaying on permanent concrete foundation 2.25 miles of its present track. One new unit of 800-kw. capacity, driven by a 1,160 horsepower engine, and two new boilers, were installed at the power station during the past year. This makes the total of 2,100-kw. capacity, with an engine capacity of 3,220 horse power. The company has 50.705 miles of track

The Houston Lighting & Power Company has spent over \$200,000.00 in permanent improvements during the past year. They installed a new unit at the power plant and are now putting in an underground system of wiring for the

business section of our city. This system includes 171,000 duct feet, or 12,000 trench feet, thirty 8x8 man-holes and eighty 4x4 man-holes. This will be a big improvement and add greatly to the looks of our business district.

The Southwestern Telephone and Telegraph Company has built a new exchange in the South End, which will be operating in a short time. Extensions to their wires, both pole and underground line, have been extensive. Their total amount for such improvements for last year was \$138,000.00.

The Houston Gas Company has constructed twelve miles of new mains, besides renewing their old ones in several instances, during the past twelve months.

The yearly expenditure for permanent improvements were \$102,000.00.

Numerous private parties have constructed sewers, sidewalks, curbs, and in other ways shown their willingness to add to the beauty, healthfulness and convenience of our city. All property owners along Stuart Street contributed toward the paving of this street with bitulithic pavement, and petitions asking that different streets be paved by the two-thirds plan, with shell, are now on file.

Many of the unsightly poles have been removed from the streets, and poor pole alignment has been corrected in many cases, through the efforts of Mr. Clarence George, City Electrician.

The result of all the above, besides beautifying the city, has enhanced the value of private property many thousands of dollars.

SANITARY SEWERS.

The practice in the past has been to carry off storm water, where it collects, by whatever sewer was near it, with a result that our sanitary sewers are very much over-taxed with storm water. The evil is very rapidly being corrected. The construction of the Austin Street storm sewer relieves the east sanitary sewers at every cross-street where it comes in contact with the sanitary mains. The west

mains were relieved this year at Preston Avenue by an overflow main; and at Texas Avenue, a point where the sanitary mains collected a great deal of storm water, a storm water sewer was built. Down spouts which heretofore had been allowed, are being ordered out, and we find this, too, helps our sewer system. Two hundred and twenty-five thousand dollars is being expended on our sanitary sewers for the extension of mains. Part of these are now completed, and work is being done on the north side of the bayou at present. This work will be fully tabulated in Engineer F. L. Dormant's report.

The report of Sewer Inspector Mr. John Heffernan, shows operation for this department.

PAVEMENTS.

The past year has been a severe one on all of the pavements, owing to the continued heavy hauling and the excavations for sewer, gas, water and electric and telephone conduit trenches.

An election was called this year asking property owners, whose property would be enhanced by having paved streets in front of it, to help pay the expense of the pavements. That was one of the best propositions the public was ever asked to vote on. It would have allowed the city to keep up with its prosperous growth, and continue its water mains, sewer and other public necessities and improvements without an increased tax on every one. The proposition was lost. Some of our citizens realizing the advantage of such a proposition, have of their own accord petitioned your honorable body for pavements on the two-thirds basis. One such street has been paved, and a petition for another is ready for your orders to start.

The paving work done during the past twelve months includes bitulithic, brick, shell and gravel pavements. Repairs on our asphalt pavements were kept up by city forces. The accompanying map showing paved streets is self-explanatory.

BITULITHIC.

A pretty residence street in the southwestern part of the city was paved with a bitulithic pavement. This pavement is 1,445 feet long and 30 feet wide, and connects Courtland, Avondale, Westmoreland and South End Addition with the Main Street brick pavement. It was the first street to be paved on the basis of the city paying one-third. The pavement makes a pretty street and everyone seems pleased.

ASPHALT.

The asphalt repair work this year ran over 10,500 square yards. One of our asphalt streets is too far gone to repair and will have to be replaced with a new pavement next year. This repair work is done by the city forces from this department.

BRICK.

The brick paving this year was the continuation of contracts let last year, and the work was done by Contractors A. T. Lucas and John C. Underwood.

The pavements included the connection of the Harrisburg Road brick pavement with the Preston Avenue brick pavement, a strip eight blocks long on Preston Avenue; Walker Avenue, five blocks long, giving the city another paved street in the business district, was alone completed; Dowling Street, connecting Congress and Preston Avenues, is included in the new brick pavements.

SHELL.

One mile of shell pavement was put down on Smith Street, 35 feet wide. The concrete curb and gutter was put in at the expense of the property owners, and the city paved the street. This makes a beautiful drive, passing many pretty homes. The shell makes a pleasing street to the eye, and is easily kept in repair. The demand for this class of pavement is so great that in the tabulation these will soon exceed the gravel streets by a large margin.

GRAVEL.

Commerce Street was graveled for seven blocks by the International & Great Northern Railroad.

Capitol Street was paved by the city from the gravel we took up off Rusk.

Repairs to our gravel streets are needed in all sections of the city, and to save some of them the repairs will have to be made in the near future.

SIDEWALKS AND CURBS.

The sidewalk and curb work this year has been very satisfactory indeed, and shows a great improvement over previous years. This work has for the most part been voluntarily done by the property owners, who, as a rule, show a tendency to conform with our rulings in lines, grades and width of walks. A much better class of work is being constructed by the contractors than when the work first started, owing to the fact that the inexperienced contractors who were putting down inferior walks and curbs were forced to replace them at a loss, which soon caused them to hunt other fields.

SURVEYS AND ESTIMATES.

The surveys made during the past twelve months show an increase of about ten per cent. over last year. These surveys have been made in all parts of the city; in many cases a re-survey of the entire block in which the survey was made had to be made, owing to the way blocks in certain parts of the city have been fenced. The police powers were called on in order that fences, and even houses, which were found to be in the street, be moved.

A number of surveys were made in the central part of town for parties contemplating office, store, warehouse and other improvements of this character.

The revenue from this department does not show more than 50 per cent. of work really done, as much time was

spent making surveys for street openings and grading, from which this office derives no revenue. Streets have been opened up throughout the entire city in the outskirts of the present built-up section, keeping the survey forces busy in this line.

BUILDINGS.

The building report of Mr. W. X. Norris, the Building Inspector, is indeed gratifying. The diagram shows the rapid increase in building, and the class of buildings constructed and now under construction is far superior to those of the first five years shown in the diagram.

VALUE OF BUILDING PERMITS ISSUED 1892-1909, INCLUSIVE.	
JAN 'Y 1, '92.-DEC. 31, '92	\$958,558.00
JAN 'Y 1, '93.-DEC. 31, '93	\$1,329,437.00
JAN 'Y 1, '94.-DEC. 31, '94	\$1,409,787.00
JAN 'Y 1, '95.-FEB. 28, '96	\$1,852,880.00
MARCH 1, '96.-FEB. 28, '97	\$2,038,380.00
MARCH 1, '97.-FEB. 28, '98	\$1,761,350.00
MARCH 1, '98.-FEB. 28, '99	\$3,375,723.00
MARCH 1, '99.-FEB. 28, '10	\$4,167,793.00

T. C. TARVER, JR., City Engineer. W. X. NORRIS, Building Inspector.

CONTEMPLATED IMPROVEMENTS.

The improvements planned and contracts let for the next twelve months will exceed the past twelve by a good big margin. Buildings, I estimate to run between \$4,500,000.00 and \$4,700,000.00, permit valuation, which is 30 per cent. below actual cost—in real value over \$5,000,000.00.

Two miles of brick paving on concrete base has been contracted for and work has started. Estimated cost \$105,000.00.

The sewer extensions are partly completed on the North Side and contract let for part of South Side work, which runs \$225,000.00. To these many thousand dollars will be spent for private laterals, by property owners.

Water mains will be again extended out of the water revenue.

The completion of the two slips at the Turning Basin will exceed \$150,000.00.

Two hundred and twenty-five thousand dollars will be spent on the largest storm sewer in the south, the Austin street sewer.

The City Auditorium, one of the finest buildings of its kind in the south, will be completed in the winter of 1910; and will cost \$235,000.00.

The Sampson Street fire station, now under erection, will cost \$8,000.00; another in the Fourth Ward will cost the same.

Five miles of shell paving is to start within the next thirty days, and before the year is out five miles more will probably be done.

Plans have been drawn up for the new bridge across the channel.

The Houston Electric Company will extend their lines in the whole city; their Central Depot tracks to be concrete construction; Caroline Street tracks are now being put in concrete construction, and Harrisburg Road double tracked in the same construction. Many other extensions are mapped out for the betterment of the Fifth Ward, the territory lying between White Oak and Buffalo Bayous, the territory in the southeastern section of the city, and the territory outside of the city around the Rice Institution.

The Houston Light & Power Company is making extensive improvements in their plant, by the installation of a new unit. They are constructing underground conduits along Main and Franklin Streets now, which will replace the unsightly poles standing in our business streets.

The Southwestern Telegraph & Telephone Company is extending all their lines in every direction, and have found it necessary to install a new exchange in the South End, making the second exchange installed outside of the main exchange.

Railroads, business firms and private parties are making notable improvements everywhere in the city, which goes to show what a future is in store for Greater Houston.

RECOMMENDATIONS.

First—The extension of the present fire limit. The business district is rapidly spreading and is blocked on all sides by wooden and fire-trap buildings.

Second—A revision of the plumbing ordinance to take in the new methods of plumbing used on large buildings.

Third—A systematic numbering of houses. There is an apparent neglect of property owners to maintain proper numbers in parts of the residence districts.

Fourth—That two or more streets in the city having the same name be given different names.

The pavement map and tables hereto attached are self-explanatory and show in detail the amounts expended and the work accomplished by this department during the twelve months ending February 28th, 1910, together with a comparison of a few years back.

CONCLUSION.

I desire to express my thanks to you and the commissioners, and every department which I have come in contact with, for courtesies and co-operation; and also to commend the members of this department for faithful discharge of their duties; and to thank the public in general for their co-operation in bringing about the many things that have been accomplished through their aid.

Respectfully submitted,

T. C. TARVER, JR.,
City Engineer.

Statement of Revenue, Expense and Unexpended Appropriation for the Annual Report of February 28, 1910.

REVENUE.

	24-A Surveying Fees	24-B Building Permits	24-C Plumbing Permits and Sewer In- spection Fees	24-D-Others, Street Open- ing and Drain Laying Permit Fees	Total for the Year
March.....	\$113.00	\$302.00	\$172.85	\$35.50	\$623.35
April.....	75.50	181.50	142.00	46.00	445.00
May.....	66.50	192.50	124.60	69.00	452.60
June.....	78.00	139.50	127.40	62.50	407.40
July.....	78.00	122.00	118.25	47.50	365.75
August.....	70.50	192.50	136.15	54.50	453.65
September.....	73.50	518.00	92.00	38.00	721.50
October.....	68.00	94.50	108.00	35.50	306.00
November.....	59.50	118.00	100.45	41.00	318.95
December.....	90.50	121.50	77.45	48.00	337.45
January.....	42.50	437.00	66.25	31.50	577.25
February.....	53.50	236.00	114.55	54.20	458.25
Total for 12 mos. ending February 28, 1910....	\$869.00	\$2655.00	\$1379.95	\$563.20	\$5467.15
Total for 12 mos. ending February 28, 1909....	\$804.50	\$2360.50	\$1093.55	\$261.00	\$4519.55
Increase	\$ 64.50	\$ 294.50	\$ 286.40	\$302.20	\$ 957.60

Total amount of revenue increase for year ending February 28, 1910, over year ending February 28, 1909.....\$957.60

EXPENSE.

	24-A Salaries	24-B Repairs and Renewals of Instruments	24-C Stationery and Printing	24-D Others	Totals
March.....	\$ 870.00	\$4.10	\$28.13	\$54.25	\$956.48
April.....	795.00		1.09	27.00	823.09
May.....	795.00	.35	33.40	59.50	888.25
June.....	773.05	.25	16.88	47.00	837.18
July.....	704.00	.25	.75	28.00	733.00
August.....	685.00		28.11	27.00	740.11
September.....	675.00		13.50	33.05	721.55
October.....	779.45		6.27	28.00	813.72
November.....	760.00		1.63	27.00	788.63
December.....	722.50		.75	29.49	752.74
January.....	741.70		11.70	27.00	780.40
February.....	750.00		39.60	7.00	796.60
Totals.....	\$9050.70	\$4.95	\$181.81	\$394.29	\$9631.75

Total expense for year ending February 28, 1910.....\$ 9,631.75

Total expense for year ending February 28, 1909..... 10,500.65

Decrease for year ending February 28, 1910, over year ending 1909.....\$ 868.90

Appropriation for year ending February 28, 1910.....\$12,000.00

Expense for year ending February 28, 1910..... 9,631.75

Amount unexpended.....\$ 2,368.25

New Pavements for the Year 1910.
BRICK PAVEMENTS.*Preston Ave., from Crawford to Dowling St.—*

Length	2,251 ft.
Width (Crawford to G. C. & S. F. tracks).....	20 ft.
Width (G. C. & S. F. tracks to Dowling St).....	35 ft.
Square yards	5,726.5
Total cost	\$15,217.76
Deductions (Houston Electric Company).....	667.65

Cost to City.....	\$14,550.11
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Cost per square yard.....	\$2.54
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(N. B.—4-inch concrete foundation; 1-inch sand cushion; Thurber brick, with asphalt filler.)

Dowling St., from Preston to Congress St.—

Length	246 ft.
Width (not including car track).....	45 ft.
Square yards	1,146.3
Cost	\$3,164.92
Deductions (Houston Electric Company).....	223.10

Total cost to City.....	\$2,941.82
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Cost per square yard.....	\$2.56%
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(N. B.—4-inch concrete foundation; 1-inch sand cushion; Thurber block, with asphalt filler.)

Walker Ave., from west line of Caroline to west line of Milam Sts.—

Length	1,652 ft.
Width	34.5 ft.
Square yards	6,000
Total cost	\$17,703.49
Deductions (Houston Electric Company).....	385.53

Total cost to City.....	\$17,317.96
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Cost per square yard.....	\$2.885
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(N. B.—6-inch concrete foundation; 1-inch sand cushion; Coffeyville Thurber block, with asphalt filler.)

THE FOLLOWING STREETS TO BE PAVED WITH BRICK WITHIN THE NEXT NINE MONTHS.

San Jacinto Street, from Leeland to McGowen Streets.

Main Street, from Berry to G. H. & S. A. tracks.

Travis Street, from Dallas to Leeland Street.

Washington Street, from Glenwood Cemetery to S. P. tracks.

(N. B.—4-inch concrete foundation; 1-inch sand cushion; Coffeyville block, with asphalt filler.)

BITULITHIC PAVING.

Stuart Ave., from west line of Main to Courtland entrance—

Length	1,445 ft.
Width	30 ft.
Total square yards.....	5,039.69

(City paid for one-third fronting property and in full for intersections.)

City portion—

Square yards	2,586.8
Cost to City.....	\$6,552.38

ASPHALT REPAIRS.

Total square yards.....	10,557.26
Cost, labor and material.....	\$14,105.75
Deductions (Houston Electric Company and others).....	\$5,199.70
Material on hand.....	\$531.67
Total cost to City.....	\$8,374.38
Cost per square yard.....	\$0.792

SHELL PAVEMENTS.

Smith St., from Francis to Calhoun St.—

Length	4,420 ft.
Width	35 ft.
Square yards	17,188
Total cost	\$8,554.94
Cost per square yard.....	\$0.497

Flora St., from Hawthorn to Ross St.—

Length	1,232 ft.
Width	18 ft.
Square yards	2,464

Emerson St., from Burlington to Garrott Sts.—

Length	1,073 ft.
Width	18 ft.
Square yards	2,180

Westmoreland Ave., from Louisiana to Garrott Sts.—

Length	1,073 ft.
Width	30 ft.
Square yards	3,577

Gray Ave., from Main to Milam Sts.—

Length	660 ft.
Width	35 ft.
Square yards	2,566
Total cost	\$1,073.80
Cost per square yard.....	\$0.43

Chenevert St., from Tuam to Elgin Sts.—

Length	750 ft.
Width	18 ft.
Square yards	1,500
Total cost	\$690.48
Cost per square yard.....	\$0.46

GRAVEL PAYEMENTS.

Commerce St., from I. & G. N. crossing to Palmer St.—

Length	3,000 ft.
Width	40 ft.
Square yards	13,333

(NOTE.—This street paved by I. & G. N. Ry. Co. at their expense.

To be continued out to Milby St.)

Capitol Ave., from Caroline to LaBranch Sts.—

Length	630 ft.
Width	30 ft.
Square yards	1,200

(NOTE.—Resurfaced with gravel taken off Rusk Ave.)

TABULATIONS.

Class.	1909. Sq. Yds.	1910. Sq. Yds.	Increase.
Asphalt	160,462	160,462	.....
Brick	342,714	355,586	12,872
Belgian blocks.....	1,892	1,892	.....
Bois d'Arc.....	49,833	49,833	.....
Macadam	36,948	36,948	.....
Gravel	607,418	621,951	14,533
Shell	66,923	96,387	29,464
Bitulithic .....	.....	5,039	5,039
Totals	1,266,190	1,328,098	61,908
Mileage of 1910.....	.....	78.79	
Mileage of 1909.....	75.32	
Increase 1910 over 1909.....	3.47 Miles	
Asphalt repairs.....	10,557.2 s. yds.	



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ANNUAL REPORT

OF

W. X. NORRIS,
BUILDING INSPECTOR,

For the Year Ending February 28, 1910.

REPORT OF BUILDING INSPECTOR.

HOUSTON, TEXAS, March 10th, 1910.

TO THE HON. H. B. RICE,
Mayor, City of Houston, Texas.

DEAR SIR:—I have the honor to submit my report on the Department of Building. The recommendation of Building Inspector W. X. Norris for the extension of the roof and fire limits is a good one, and I wish to heartily approve it.

Some of the frame fire-traps bordering on our present limits are dangerous to life and property of our citizens, besides being objectionable to prospective builders adjoining.

The diagram herewith will show the growth of our city in buildings for the past eight years.

The drop for the twelve months ending February 29, 1908, was due to the panic and was felt all over the country.

Tabulation and additional remarks under my report as City Engineer.

Respectfully submitted,

T. C. TARVER, JR.,
City Engineer.

HOUSTON, TEXAS, March 10th, 1910.

TO THE HON. H. B. RICE,
Mayor, City of Houston, Texas.

DEAR SIR:—I hereto attach tabulated statement, showing value of buildings, repairs, etc., constructed during the past year, and fees collected by this department.

Expenses of the department are shown in the report of the City Engineer.

The progress of building for the past year and prospects for the coming year compels me to recommend that the roof and fire limits be extended. At the present, frame buildings can be built too near the business section of the city.

Respectfully submitted,

W. X. NORRIS,
City Building Inspector.

Number of Building Permits and Amount of Fees for the Twelve Months Ending February 28, 1909 and 1910.

REVENUE.

	1908-1909		1909-1910	
	Permits	Fees	Permits	Fees
March.....	78	\$274.50	64	\$302.00
April.....	59	151.50	111	181.50
May.....	67	117.50	61	192.50
June.....	50	109.00	62	139.50
July.....	53	100.00	56	122.00
August.....	69	98.50	69	192.50
September.....	56	207.50	59	518.00
October.....	57	379.00	68	94.50
November.....	58	333.00	49	118.00
December.....	53	333.50	40	121.50
January.....	60	141.50	63	437.00
February.....	51	115.00	59	236.00
Total.....	711	\$2,360.50	761	\$2,655.00

	Permits.	Fees.
Total for the year ending February 28, 1909.....	711	\$2,360.50
Total for the year ending February 28, 1910.....	761	2,655.00
Increase last 12 months over previous 12 months..	50	\$ 294.50

Permit Valuation of Additions and Repairs During the Twelve Months Ending February, 1909 and 1910.

	1908-1909		1909-1910	
	Permits	Valuation	Permits	Valuation
March.....	44	\$ 6,540.00	81	\$23,790.00
April.....	70	6,485.00	68	13,845.00
May.....	72	8,610.00	63	14,681.00
June.....	65	12,028.00	68	66,870.00
July.....	73	17,435.00	56	10,943.00
August.....	49	6,387.00	64	26,355.00
September.....	63	11,341.00	59	19,425.00
October.....	74	40,377.00	86	17,474.00
November.....	56	6,349.00	48	12,120.00
December.....	46	5,667.00	49	8,715.00
January.....	59	9,996.00	53	14,010.00
February.....	48	8,412.00	55	28,435.00
Total.....	719	\$139,627.00	750	\$256,663.00

	Permits.	Valuation.
Total for the year ending February 28, 1909.....	719	\$139,627.00
Total for the year ending February 28, 1910.....	750	256,663.00
Increase last 12 months over previous 12 months.	31	\$117,036.00

Classifications of Permanent Improvements.

No.	KIND OF BUILDING	No. of Bldgs.	Valuations
1	3-story Passenger Depot and Train Shed.....	1	\$600,000.00
1	16-story Brick and Steel Office Building.....	1	500,000.00
1	6-story Brick and Reinforced Concrete Flat..	1	326,000.00
1	3-story Brick and Concrete Auditorium.....	1	235,000.00
1	4-story Reinforced Concrete Warehouse.....	1	60,000.00
1	3-story Reinforced Concrete Telephone Bldg.	1	28,300.00
1	4-story Sanitarium (Concrete).....	1	75,000.00
1	6-story Mill Construction Warehouse.....	1	90,000.00
1	5-story Brick and Steel Building.....	1	30,000.00
1	2-story Marble and Steel Bank Building.....	1	93,000.00
12	Flat Buildings.....	12	224,450.00
1	2-story Reinforced Concrete Store Building..	1	35,000.00
1	Church (First Methodist).....	1	160,000.00
1	Church (Roman Catholic).....	1	6,700.00
1	5-story Theatre Building.....	1	150,000.00
1	3-story Brick Warehouse.....	1	60,000.00
5	Automobile Garages.....	5	42,800.00
1	Round House and Office.....	1	15,000.00
1	2-story Brick Residence.....	1	25,000.00
1	2-story Brick Veneered Residence.....	1	12,000.00
1	3-story Reinforced Concrete Laundry.....	1	50,000.00
1	2-story Brick Stable.....	1	9,500.00
1	Brick Lumber Shed.....	1	8,000.00
1	2-story Brick Fire Engine House No. 2.....	1	7,596.00
3	2-story Brick Store Buildings.....	1	28,500.00
9	Warehouses.....	9	65,100.00
4	Remodelings.....	4	50,600.00
5	1-story Brick Buildings.....	5	14,750.00
1	2-story Brick Vault.....	1	3,000.00
1	2-story Frame School House.....	1	5,700.00
2	Frame Warehouses.....	2	2,800.00
1	Frame Car Shed.....	1	4,500.00
1	Ice Factory.....	1	2,250.00
1	Planing Mill.....	1	1,000.00
2	Cellars and Foundation.....	2	15,000.00
186	2-story Residence.....	186	496,025.00
338	Cottages.....	338	335,910.00
191	Stables and Sheds.....	191	42,649.00
			\$3,911,130.00

Valuation of 761 permits, ending February 28, 1910.....\$3,911,130.00

Valuation of 711 permits, ending February 28, 1909..... 3,375,723.00

Increase in value for year ending February, 1910, over
1909\$ 535,407.06

Total value temporary permits, year ending February, 1910.\$ 256,663.00

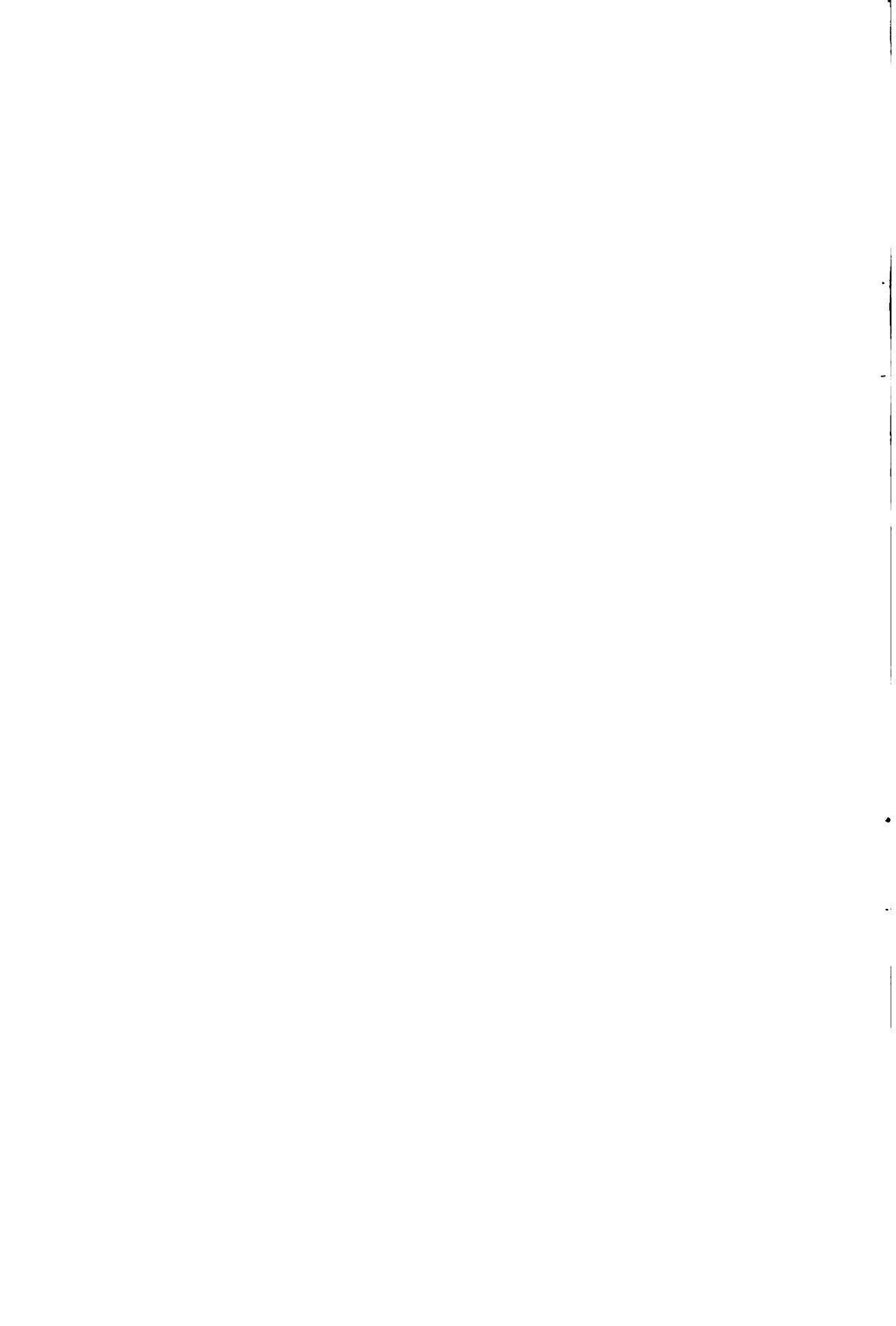
Total value permanent permits, year ending February, 1910. 3,911,130.00

Total\$4,167,793.00

Total value for 12 months ending February 28, 1910.....\$4,167,793.00

Total value for 12 months ending February 28, 1909..... 3,515,350.00

Increase of last 12 months over previous 12 months....\$ 652,443.00



ANNUAL REPORT

OF

JOHN HEFFERNAN,
SEWER AND PLUMBING INSPECTOR,

For the Year Ending February 28, 1910.

REPORT OF SEWER INSPECTOR.

HOUSTON, TEXAS, March 10th, 1910.

TO THE HON. H. B. RICE,
Mayor, City of Houston, Texas.

DEAR SIR:—I have the honor to hand you herewith a report of the operations for the Sewer Department for the year ending February 28, 1910.

The extensions of sewers in all sections of the city is covered in the report of Engineer F. L. Dormant, and I won't attempt to report on these.

The great increase in mains necessarily increases the operating expense of this department. The man-holes in the district near the City Auditorium site are too low, as we are filling in this section of town, and must be raised, also several others in other sections of town should be raised.

The small operating expense of the air lift and other necessary repairs to the plant on Willow Street are to be done next year.

I would recommend that as we have outgrown the budget for this department, it be increased. Would also recommend that a park, or playground, be made at the air-lift grounds. It is a pretty residence part of town, at the foot of two paved streets and on the South End car line. This would add much to the looks of the plant and beautify that section of town.

Would also recommend that the ordinance governing plumbing be revised, as there are too many laundries emptying hot water into our sewers, thus making it difficult to fix stoppages and adjust the screens at Milam Street syphon.

The tabulations and report of Mr. John Heffernan are hereto attached.

Respectfully submitted,

T. C. TARVER, JR.,
City Engineer.

HOUSTON, TEXAS, March 10th, 1910.

TO THE HON. H. B. RICE,
Mayor, City of Houston, Texas.

DEAR SIR:—I hereto attach a tabulated statement of the work done under my supervision for the year ending March 1, 1910.

I would recommend that the ordinance governing plumbing be revised and an examining board be appointed.

Automobile garages, laundries and restaurants to have larger catch-basins, constructed under the direction of this office.

Automobile garages, on account of gasoline; laundries, for the large amount of hot water; restaurants, to prevent grease stoppages; all of which cause more or less trouble at different times during the year.

There are also several man-holes that should be raised, which have been covered up from change of grade of the street and are difficult to locate when most needed.

Respectfully submitted,

JNO. HEFFERNAN,
City Sewer and Plumbing Inspector.

SEWER SYSTEM.

Statement of Expense for Twelve Months Ending February 28, 1910.

SANITARY SEWER SYSTEM							
1908 and 1909	Pumping Station		(c) Filter Beds	(e) Others	(f) Sewer Repairs and Renewals	(g) Sewer Inspection s	(h) Others
	(a) Operation	(b) Repairs and Renewals					
March.....	\$1000.90	\$185.83	\$484.10	\$64.70	1118.47	\$125.00	\$55.00
April.....	978.25	181.04	390.94	6.25	122.50	125.00	47.00
May.....	1320.87	338.75	476.50	5.00	165.20	125.00	26.55
June.....	1032.14	184.73	396.98	6.25	125.00	125.00	65.25
July.....	986.10	188.15	412.75	9.35	151.75	125.00	46.45
August.....	1063.06	200.53	491.80	6.25	157.65	125.00	46.50
September..	1273.48	117.33	418.25	6.25	166.90	125.00	47.65
October.....	1061.94	142.11	405.40	6.25	278.60	125.00	46.50
November..	1297.67	134.00	478.20	5.05	166.05	125.00	52.00
December...	717.63	170.00	401.88	8.75	237.37	125.00	48.80
January....	1346.89	131.46	385.80	13.00	773.52	125.00	52.45
February...	1117.52	106.58	397.40	9.00	150.95	125.00	28.85
Total...	13196.45	2080.51	5130.00	\$146.10	3613.96	1500.00	\$563.00

Total expense for Sewer Department, year ending February
28, 1910\$26,230.02
Total expense for Sewer Department, year ending February
28, 1909 25,140.43

Increase of last year over previous year.....\$ 1,089.59
Appropriation for year ending February 28, 1910.....\$25,000.00
Expense for year ending February 28, 1910..... 26,230.02
Amount expended over and above appropriation.....\$ 1,230.02

FEES COLLECTED.

Plumbing permits—24-C—plumbing inspection fees.....\$1,379.95
Sewer connections—24-D—drain and street opening fees..... 563.20
Total\$1,943.15
Total amount fees collected for the year ending February 28,
1910\$1,943.15
Total amount fees collected for the year ending February 28,
1909 1,354.55
Total increase for year ending February 28, 1910, over 1909.\$ 588.60

**Plumbing Fixtures Installed During the Twelve Months
Ending February 28, 1910.**

Month	Plumbing Permits	Closets	Bath	Basin	Sink	Urinals	Miscellaneous Fixtures	Total Fixtures	Drain Laying Permits	Inspections	House Connections
March.....	58	183	85	296	88	2	14	668	19	94	32
April.....	53	127	88	198	64	17	....	494	36	89	26
May.....	49	78	68	53	53	2	5	259	29	83	23
June.....	50	91	71	79	66	....	....	307	39	95	28
July.....	51	72	57	73	44	....	2	248	29	80	28
August.....	58	99	70	85	54	3	5	316	19	75	38
September.....	34	41	63	46	11	11	6	178	13	60	15
October.....	60	78	46	51	44	1	2	222	15	80	34
November.....	42	85	63	85	43	7	35	318	9	62	22
December.....	24	55	41	134	33	6	5	274	10	51	19
January.....	27	44	30	30	28	3	19	154	16	52	19
February.....	33	60	66	94	53	1	6	280	28	76	25
Total.....	539	1013	748	1224	581	53	99	3718	262	897	309

Closets	1,013
Baths	748
Basins	1,224
Sinks	581
Urinals	53
Miscellaneous fixtures	99

Total fixtures installed 12 months ending February 28, 1910.....3,718

Total fixtures installed 12 months ending February 28, 1909.....2,674

Increase last 12 months over previous 12 months.....1,044

Sewer connections for 12 months ending February 28, 1910..... 262

Sewer connections for 12 months ending February 28, 1909..... 140

Increase of last 12 months over previous 12 months..... 122

Plumbing permits for 12 months ending February 28, 1910..... 539

Plumbing permits for 12 months ending February 28, 1909..... 532

Increase of last 12 months over previous 12 months..... 7

Total number house connections for the 12 months ending Febru-
ary 28, 1910..... 309

Work Done by Sewer Cleaners.

MONTH	Manhole Inspections	CatchBasin Inspections	Stoppages Removed	Flush Tank Inspections	Repaired Broken Sewers
March.....	170	567	2	38	5
April.....	272	429	3	16	6
May.....	163	672	1	32	2
June.....	188	315	3	11	1
July.....	146	210	1	6	1
August.....	160	348	3	14	.....
September....	157	317	5	14	1
October.....	180	663	4	4	2
November....	67	340	3	19	1
December....	115	282	5	7	3
January.....	192	450	3	8	4
February....	87	440	2	19	5
Totals.	1897	5033	35	188	32

The Following Private Sewers Were Constructed During the Twelve Months Ending February 28, 1910.

220 ft. 6-inch sewer on Hemphill, from Washington to Center St.
 200 ft. 6-inch sewer on Barbee, from Caroline to West St.
 250 ft. 6-inch sewer on Center, from Hemphill west to S. W. T. C. Bldg.
 300 ft. 6-inch sewer, on Holly, from Edwards south to Wells Fargo stable.
 275 ft. 6-inch sewer on Holly, from Edwards south.
 670 ft. 6-inch sewer in alley, from Fannin to Main St. from Eagle St.
 200 ft. 6-inch sewer on Alabama, from Burlington St. east.
 300 ft. 6-inch sewer on Baldwin, from Pierce to Calhoun Sts.
 200 ft. 6-inch sewer east on Calhoun from Baldwin St.
 300 ft. 6-inch sewer in alley between Milby and Mason to Huntington Street.
 230 ft. 8-inch sewer on Fannin, from Alabama to MacGregor St.
 500 ft. 8-inch sewer on Caroline, from Eagle to Wheeler St.
 570 ft. 15-inch sewer on Texas Ave., from Fannin to Travis St.
 696 ft. 15-inch sewer on Rusk, from Travis to Fannin St.
 920 ft. 15-inch sewer on Rusk, from Louisiana to the Carter Bldg.

8531 ft.

Total number feet of private sewers laid, year ending February 28,
 19108,531
 Total laid in year ending February 28, 1909.....8,055

Increase last 12 months over previous 12 months..... 476
 Length of sewer laid during 12 months ending February 28,
 19101.61 miles
 Number of manholes constructed.....12

ANNUAL REPORT

OF

•
FRANK L. DORMANT,
CONSULTING ENGINEER,

For the Year Ending February 28, 1910.

REPORT OF CONSULTING ENGINEER.

HOUSTON, TEXAS, March 1, 1910.

HON. H. B. RICE,
Mayor City of Houston.

DEAR SIR:—I have the honor to transmit herewith report covering the work done under my charge for the last fiscal year.

THE AUSTIN STREET STORM SEWER.

The sewer is an extension of the storm sewer previously built from Buffalo Ship Channel to Preston Street.

The contract for the extension was let to Horton & Horton, local contractors. Four different classes of construction were contemplated, namely, brick, reinforced concrete, reinforced block construction in open trench, and reinforced concrete block construction in tunnel.

The type of reinforced block construction in tunnel was adopted on account of its economical features. The great advantage of this class of construction is that the original surface of the street is not disturbed, the work being done by the sinking of shafts in which the manholes are built, and the tunnels for the sewer being excavated from the bottom of the shaft in both directions.

If this sewer was being constructed in open cut it would have required a ditch twenty-seven feet deep, and fourteen feet wide, and the excavation would have had to be placed on both sides of the ditch and would have taken up so much room that people living on Austin Street would practically have been unable to secure egress and ingress to their homes. In open cut the amount of excavation would have been 84,000 cubic yards, whereas in tunnel it only takes 24,000 cubic

yards, making a saving of 60,000 cubic yards. As the dirt is removed from the tunnel it is hauled away to various places in the city.

Another advantage of this class of construction is that the work can and does go on night and day, rain or sunshine, and does not interfere with street railway travel or pedestrians. It is interesting to state that the Austin Street sewer is the largest one of this class of construction in the United States, the largest one prior to the commencement of the Austin Street sewer being six feet, six inches, and having been built in the city of Toledo, Ohio.

As the construction of this sewer proceeds, catch-basins of a new type are constructed at the intersections of the streets crossing Austin Street, and the catch-basins now connected with the sanitary system are disconnected.

The contract for this sewer calls for the following sizes and distances:

10 feet diameter from Preston Avenue to Dallas Avenue, a distance of 2,640 feet.

9 feet diameter from Dallas Avenue to Calhoun Avenue, a distance of 2,310 feet.

8 feet diameter from Calhoun Street to McGowen Avenue, a distance of 2,150 feet.

7 feet diameter from McGowen Avenue to Elgin Avenue, a distance of 1,700 feet.

At Calhoun Street the flow line of the Austin Street storm sewer will be 23 feet below the surface of the street, and 19½ feet below the bottom of the Calhoun Street ditch.

At Elgin Avenue the flow line of the sewer will be 18½ feet below the surface of the street and 14½ feet below the bottom of the Elgin Street ditch.

Both the Calhoun Street and Elgin Avenue ditches will be done away with, and lateral storm sewers put in both streets.

At Elgin Avenue the Austin Street sewer will be deep enough to be extended as far as the Aransas Pass railroad, a distance of about 3,000 feet, and at that point will still be deep enough to drain a large territory.

FIRST AND SIXTH WARD SANITARY SEWERS.

The amount set aside for the First Ward is \$15,000.00, and for the Sixth Ward \$12,000.00, a total of \$27,000.00. This contract was awarded to John C. Underwood, and at this time is well under way and will be completed some time in March. As the system now being put in consists of the main receiving pipes, the pipes are being laid at such a depth that the whole First and Sixth Wards can be completely sewered and will constitute a separate system.

The Sixth Ward main lateral commences at the intersection of Tenth Street and Washington Avenue, then continues on Washington Avenue to Young Street. On Young Street it turns south and runs to Lubbock. Thence it runs on Lubbock west as far as the appropriation will go.

The First Ward system commences at the intersection of Washington Avenue and Ninth Street; thence west on Washington to Tenth Street; thence north on Tenth Street to Dart Street; thence west on Dart Street to Holly Street; thence north on Holly Street to Crockett Street; thence west on Crockett Street as far as the appropriation will go.

PROPOSED SEWERS IN THE FIRST AND SIXTH WARDS.

After extension and completion of main sewers in both the First and Sixth Wards, which, as before stated, are of large size and great depth, the construction of lateral sewers will not be near so expensive, these proposed laterals being mostly of the eight-inch size, and will not be as deep in the ground as the main pipes.

PROPOSED LATERALS.

- On Spring Street, from Taylor Street to Holly Street.
- On Shearn Street, from Taylor Street to Holly Street.
- On Crockett Street, from Taylor Street to present terminus on Crockett.
- On Summer Street, from Taylor Street to Holly Street.
- On Winter Street, from Taylor Street to Holly Street.

On Bingham Street, from Colorado Street to Silver Street.

On Edwards Street, from Houston Avenue to Silver Street.

On Dart Street, from Houston Avenue to Silver Street.

On Bingham Street, from Hickory Street to Holly Street.

On Dart Street, from Houston Avenue to Holly Street.

On Silver Street, from Crockett Street to Lubbock Street.

On Center Street, from Houston Avenue to Brashear Street.

On Union Street, from Sawyer to Silver Street.

On Decatur Street, from Sawyer Street to Silver Street.

On Kane Street, from Hemphill Street to Silver Street.

On Lubbock Street, from Hemphill Street to Silver Street.

On State Street, from Hemphill to Trinity Street.

On Moore Street, from White Street to Trinity Street.

On Colorado Street, from Crockett to Weber Street.

With laterals on Weber, Alamo and Ovid, between Houston Avenue and Sabine Streets.

Also small laterals on Trinity and other short streets.

The main pipe on Silver Street will be of such depth that the laterals can be built on Washington Avenue west for a large distance.

All of the above work will comprise eight miles of sewers with the necessary manholes and flush-tanks. The approximate cost of the proposed extensions is \$84,480.00.

SECOND WARD SANITARY SEWERS.

The system for this ward, as originally contemplated, consisted of a sewer commencing on York and Dallas Streets; thence north on York Street to Engelke Street; thence west on Engelke Street to Middle Street; thence north on Middle Street to Buffalo Bayou, where it was proposed to construct a syphon under the bayou and erect a pumping station on the north side of the bayou near Grove and Swiney Streets. The sewage from the Second Ward was

to discharge through the syphon into a receiving basin at this pumping station, thence to be lifted by pumps to a connection with the 24-inch pressure main now leading to the filter-beds five miles east of the city. The city now having under construction sanitary sewers in the First, Fifth and Sixth Wards, and other extensions of the system in the Fourth Ward to be connected with the present pumping station, it was deemed advisable not to use the present pumping station on Willow Street, as this station and the filter-bed, after all the above mentioned sewers are completed, will be taxed to its capacity. It was, therefore, decided to seek another outlet for all future sanitary sewers to be constructed on the south side of the Channel and to provide another system of filter-beds or a sewage farm located southeasterly from the city.

THE REVISED SANITARY SYSTEM OF THE SECOND WARD.

The main collecting sewer will be located on York Street and commences at the intersection of Engelke and York Streets; thence it runs south from Engelke Street, on York Street to Polk Avenue.

The following laterals will be built, viz.:

A sewer on Runnels Street, commencing at the Santa Fe Railroad; thence east on Runnels to Shepherd Street; thence south on Shepherd Street to Commerce Street; thence east on Commerce Street to York Street.

A sewer on German Street, commencing at the International & Great Northern Railroad; thence east on German Street to Shepherd Street.

A sewer on Commerce Street, commencing at the International & Great Northern Railroad and running east on Commerce Street to a connection with the sewer on Shepherd Street.

A sewer on German Street, from Shepherd Street to Palmer Street.

Lateral sewers on Paige, Ennis and Palmer Streets.

A sewer on Engelke Street, from Palmer to Milby Streets.

A sewer on Runnels Street, from Sampson Street to Milby Street.

A sewer on Park Street, from Sampson to Milby Street.

A sewer on German Street, from Sampson to Milby Streets.

A sewer on Magnolia Street, from Sampson to York Streets.

A sewer on Hutchins Street, from Engelke Street north.

A sewer on Rosalie Street, from Engelke Street north.

A system of laterals on South, Maple, Gable, Lyle and Vine Streets.

All of the above sewers will cost \$80,000.00, the amount set aside for the construction of sanitary sewers in the Second Ward, and are indicated on the attached map in dotted red lines.

PROPOSED SEWERS FOR THE SECOND WARD.

To thoroughly sewer that portion of the city lying east of and adjacent to the International & Great Northern Railroad, the following laterals will have to be constructed:

A lateral on Franklin Avenue, from York Street west to Shepherd Street.

A lateral on Congress Avenue, from York Street west to Shepherd Street.

A lateral on Preston Avenue, from York Street west to Shepherd Street.

A lateral on the Harrisburg Road, from Milby to the Preston Avenue tunnel.

A lateral on Texas Avenue, from Milby to Palmer Street.

A lateral on Capitol, from York Street to Aransas Pass Railway.

A lateral on Rusk Avenue, from York Street to Aransas Pass Railway.

A lateral on Walker, from York Street to Aransas Pass Railway.

PROPOSED CONSTRUCTION OF EXTENSION FROM YORK AND
POLK AVENUE INTERSECTION TO PROPOSED FILTER-
BEDS OR SEWAGE FARM.

It is proposed to commence at the end of the sewer to be shortly constructed on the north line of the Luke Moore survey, and to build an extension on Scott Street to a point near Mabel Avenue, a distance of 5,531 feet; thence to run east for a distance of 344 feet to the county road, and from this point to continue south a distance of 8,525 feet to the county road on the south line of the Luke Moore survey; thence east along this county road a distance of 10,692 feet to a point on the west side of the county road, running parallel with the Gulf, Colorado & Santa Fe Railway; thence south along the county road, running parallel with the Santa Fe road a distance of about 8,372 feet, in all a distance of about 33,464 feet to the proposed new filter-beds or sewage farm, the same being a tract of land containing about 200 acres, and fronting on Simm's Bayou.

On this farm it is proposed to dispose of the sewage by means of irrigation, the land to be thoroughly underdrained, in connection with a system of septic tanks, and intermittent filtration. At or near the southern city limits it is proposed to construct a pumping station where the sewage will be collected in a large underground tank and then pumped to the proposed sewage farm.

THIRD AND FOURTH WARD SANITARY SEWERS.

Twenty thousand dollars (\$20,000.00) has been set aside for sanitary sewers in the Fourth Ward out of the bond issue. Thirteen thousand dollars of this is to be expended on a lateral commencing on Baker Street near the Galveston, Harrisburg & San Antonio Railway. This lateral to run east on Baker Street where it will intersect Drew Avenue; thence east on Drew Avenue to Bagby Street; thence south on Bagby Street to Anita; thence east on Anita Street to Brazos Street; thence south on Brazos Street to Elgin;

thence east on Elgin Street to a connection with the sewer, leading to the Westmoreland sub-pumping station at Berry Street.

Bids have been opened for this work, and contract let to J. C. Kelso, who will commence work shortly.

The second lateral sewer will commence at San Felipe Street and Sherman Street; thence to run south on Sherman Street to Webster Avenue; thence east on Webster Avenue as far as the appropriation of \$7,000.00 set aside for this lateral will go. The proposed laterals in Fairview addition are indicated on the attached map. That portion of the Third Ward lying between La Branch Street and the Aransas Pass Railway, both north and south of McGowen Avenue, need sanitary sewers; also that territory lying between Chartres Street and the International & Great Northern Railroad and north of Lamar Street is also in need of sanitary sewers. All these sewers to be connected with the proposed main sewer system to be built in the Second Ward and discharging at the proposed new pumping station to be located just south of the southern city limits.

PROPOSED SEWERS IN THE THIRD WARD.

A large lateral on McGowen Avenue, commencing at La Branch Street and to run east on McGowen Avenue to a connection on Scott Street.

The following laterals are proposed:

On Crawford and Jackson, between Elgin and Pierce.

On Jackson, from Pierce to Elgin.

On Chenevert, Hamilton and Chartres, from Bell to Elgin.

On St. Emanuel and Hutchins, from McGowen to Bell Avenue.

Also a main lateral on Holman, from Fannin to Dowling, thence north on Dowling to McGowen Avenue. It is also proposed to construct a large lateral on Lamar Street, commencing at St. Emanuel, thence to run east on Lamar Street to a connection on York Street.

That triangular portion of the Third Ward lying east of Chartres Street, north of Lamar Street and west of the International & Great Northern Railroad, is also in need of sanitary sewers.

The proposed laterals will run north of Lamar Street to the International & Great Northern Railroad on the following streets, viz.: St. Emanuel, Hutchins, Broadway, Dowling, St. Charles, Live Oak, Rice, Paige and Shepherd.

There are also needed three short laterals on Caroline and Austin Streets, to run from Pierce to Hadley Street.

All of the proposed laterals and main sewers are indicated on the attached map.

THE FIFTH WARD.

The sum of \$85,000.00 has been set aside for sanitary sewers in this ward. The contract for this system has been let to J. C. Kelso and work is now under way.

The system now being put in consists of the large main sewers, into which all future laterals will discharge as they are being built, and the depth of the main pipes is such that the whole ward can be sewerred in the future. The system now being put in comprises the following lines:

Commencing at the pumping station on Willow Street, thence north on Willow Street to Wood Street; thence east on Wood to Sterrett Street; thence on Sterrett to William Street; thence north on William Street to Nance; thence east on Nance to Elysian Street; thence north on Elysian Street to Campbell Street.

The following main laterals are under construction, viz.:

Commencing at Elysian and Noble Streets; thence west on Noble to Paschall Street; thence west on Paschall to Everett; thence south on Everett Street to Pinckney Street.

Also a lateral commencing at Elysian and Lorraine; thence east on Lorraine to West Street, into laterals on West Street, north and south.

Also a main lateral on Providence Street and Odin Avenue, commencing at Elysian and Providence Streets; thence

east on Providence and Odin Avenue to a point near Lyons Avenue.

PROPOSED LATERALS.

A main sewer on Paschall Street, from Everett to Thomas, with laterals on Thomas, Fletcher and Keene Streets and Montgomery Avenue.

A main sewer on Harrington Street, from Montgomery Avenue to Elysian Street, with laterals on Freeman, Chestnut, Gentry, Common, Marion, Cochran, Gano, Chapman, Terry, McKee and Hardy Streets.

A main sewer on Harrington, from Elysian to West Street, with laterals north and south on Maury, Maffit, Semmes, Chase and Mary Streets.

Laterals on Conti, Providence and Liberty Streets, to connect at Walnut and Sterrett Streets.

Also laterals running north from Odin Avenue main sewer on Semmes, Mary, West and Carr Streets.

All of the above laterals are indicated on the map hereto attached.

Memorandum.—It is the intention, as the construction of the Fifth Ward sanitary sewer progresses, to connect all private lines now in operation with the new sewer, and disconnect all sanitary connections on the present Elysian Street sewer from the combined sewer now in operation.

THE SEWAGE PUMPING STATION ON WILLOW STREET.

This station collects at present all the sewage from the Third and Fourth Wards, and will have to handle all the sewage from the First, Sixth and Fifth Wards, whenever the systems in these respective wards are completed. It will be necessary to enlarge the receiving basin, and increase the pumping capacity.

If the sewage is to be handled with one pump it will require a 16-inch single stage turbine centrifugal pump, to be driven by a rope drive, with the necessary tension carriages, idlers, etc. The following items will be required:

One 14-inch by 28-inch by 36-inch tandem compound heavy duty Corliss engine, with grooved flywheel for ropes.

One jet condenser-exhaust relief valve, increasers and gates.

Also one additional water tube boiler of 195 horse power, with feed water heater and other accessories.

All of the above items contemplate the enlargement of the steam plant. The total cost for this installation will be \$24,000.00. I am now investigating the relative economy between a steam and an electric plant, and will report on this item when I have obtained the necessary data as to motors, transmission line, etc.

PROPOSED EXTENSION OF RECEIVING BASIN.

It will be necessary to increase the capacity of the receiving basin at the Willow Street pumping station by constructing an additional basin 75 feet long by 45 feet wide by 16 feet in depth, the floor to be the same level as the present floor of the pumping station. This basin to be entirely covered with concrete top cover reinforced by steel beams, so as to utilize the space above for other purposes. This basin will be made entirely of reinforced concrete, and to be waterproof. The cost of this additional receiving basin will be approximately \$21,750.00.

THE NEW SAN JACINTO STREET BRIDGE.

This proposed bridge will be the finest bridge south of St. Louis. It will be 70 feet wide over all, roadway to be 50 feet, with double track electric railway, and two ten-foot sidewalks.

Preparatory to the design of this bridge it was deemed advisable to take borings at the site of the piers and arch abutments on account of the anticipated presence of quicksand. Four borings were taken and revealed the presence of a six-foot vein of quicksand eleven feet below mean low tide level. This quicksand strata is overlaid by a layer of white sand rock five inches in thickness, and extends all

the way to the Gulf. Owing to the presence of this quicksand layer the cost of the piers will be considerably larger than originally anticipated, these piers being 44 feet by 98 feet in size.

The piles to be used in the pier foundations will have to go through the layer of quicksand, and will have to penetrate well into the layer of clay below the quicksand.

The bridge used will be of the Scherzer rolling lift type, and the clear channel between fender piling will be 100 feet, in accordance with the United States government regulations. The distance between bearings of the bridge will be 120 feet and the total length 177 feet. The movable part of the bridge will weigh approximately 1,200,000 pounds and consists of two leaves which raise up in the air when opened. The specified time of opening the bridge in contract will call for one and one-half minutes.

Two designs for this bridge will be submitted on March 1, 1910. The first design calls for a rolling lift bridge with solid arch on the north end of the lift, and concrete retaining walls on the south side. The second design contemplates the building of ribbed arches with slab construction and reinforced concrete side walks of the cantilever type.

The difference in cost between the two designs will be considerable, the second design having been made with a view to cheapen the first design, yet the cost of the second design is largely in excess of what was anticipated originally before the presence of quicksand was known; the increased cost being due to the depth of the foundations of the piers and the increased height.

The bridge will be on a level grade with Willow Street, and there will be a one per cent grade on the south end to meet the grade at the intersection of San Jacinto and Commerce Streets. The sidewalks and road way will be paved with vitrified brick and the lift bridge with creosoted blocks. It will be lighted by electric arc lamps. The bridge will be operated electrically.

WHARVES AND SLIPS AT TURNING BASIN.

The location of the municipal slips, wharves and warehouses now under construction is at a point about three miles east from the city on the north side of the ship channel, and is the lower portion of a 171-acre tract of land belonging to the City of Houston, out of the John Brown original survey.

The work being done is an undertaking of everlasting benefit to the citizens of Houston, and is a testimonial to the master mind who conceived it.

Early in June, 1909, the city commenced the clearing and grubbing of the slip and warehouse grounds, a tract containing about thirty-one acres. The next step in preparing the site for the location of slips was the removal of natural drainage channels and conducting the drainage along an artificial route to a point outside of the territory embraced by the slips. To do this a thirty-inch vitrified pipe line was built which now takes the surface drainage to a point below the slips.

The next item in order was the building of levees to receive the dredged material and deposit it within the area taken up by the levees.

On August 17, 1909, a contract was let to John Jacobsen for the dredging of the slips, and the contract stipulated that he should commence operations on December 1, 1909. This left the city ample time to excavate the grounds above the wharf level, but on account of scarcity of teams and high prices, this work was not commenced by Contractor J. C. Kelso until early in October, 1909.

The amount of excavation done prior to the commencement of dredging operations and up to December 1, including the construction of two levees, railroad and warehouses, excavation and slip excavation, is 67,311 cubic yards.

On December 7, 1909, the dredge Washington commenced operations in the east slip, and during the month of December excavated 60,000 cubic yards. The amount of excavation done during the month of January, 1910, was

93,000 cubic yards, or a total of 153,000 cubic yards up to February 1, 1910.

The dredge commenced operations in the west slip on February 21, 1910. In order to create a basin to receive excavation of the west slip, the county bridge on the Clinton road was raised about eight feet, so as not to obstruct the county road.

Both slips will be 150 feet wide and 500 feet long. The accompanying map, herewith submitted, shows location of slips and warehouses in relation to the surrounding territory.

I am now engaged in getting up revised plans for bulkheads, warehouses and inclined conveyors to be used in handling freight, also on plans for yards and terminals.

AMOUNT NECESSARY TO COMPLETE OUTLET FOR TERRITORY SOUTH OF SHIP CHANNEL.

Extension of sewer from Polk and Yorks Streets near north line of Luke Moore survey to proposed pumping station.....	\$ 28,500.00	
Pumping Station grounds.....	2,000.00	
Discharge main from Pumping Station to disposal fields	45,246.00	
Pumping Station and equipment.....	12,500.00	
200 acres of land for disposal fields.....	25,000.00	
Underdrainage, tiling, carriers, etc.....	7,500.00	\$120,746.00

SANITARY SEWERS PROPOSED.

Proposed Lamar Street main sewer.....	\$ 25,000.00	
Proposed McGowen Avenue main sewer.....	52,000.00	
10 miles of lateral sewers in Third and Fourth Wards.		
8 miles of lateral sewers in First and Sixth Wards.		
15 miles of lateral sewers in Fifth Ward.		
4 miles of lateral sewers in Second Ward.		
37 miles of laterals, with manholes and flush-tanks	\$481,750.00	\$558,750.00

PROPOSED STORM SEWERS.

Storm sewer in Fourth Ward, with laterals.....	\$175,000.00	
Catch basins	13,500.00	\$188,500.00

WILLOW STREET SEWAGE PUMPING STATION.

New equipment to handle sewage when First, Fifth and Sixth Ward sewers are completed.	\$ 24,000.00	
New underground receiving basin.....	21,750.00	45,750.00
Overhauling of filter beds near Turning Basin and construction of Detritus tanks, etc.....		53,865.00
		<u>\$967,611.00</u>

Respectfully submitted,

FRANK L. DORMANT,
Consulting Engineer.



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ANNUAL REPORT

OF

WM. H. WILSON,

CITY ATTORNEY,

For the Year Ending February 28, 1910.

REPORT OF CITY ATTORNEY.

HOUSTON, TEXAS, March 5th, 1910.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I herewith submit a statement of the conduct of the Legal Department of the City of Houston for the year ending the 28th day of February, 1910.

During the past year there has been a slight increase in the number of damage suits filed against the City of Houston, though such as were filed were not of any magnitude. There has not been recovered in the courts during this period any judgment against the City of Houston of any magnitude or importance.

There has been the usual large amount of business in the Legal Department in the way of preparation of ordinances, the drawing up of contracts and advice to the city in its various departments upon questions of law arising in the conduct of the city's affairs.

One of the most important matters to which the attention of the Legal Department was given was the carrying through of an adjustment between the city and the H. & T. C. Railway with reference to the water frontage on Buffalo Bayou, extending from where the railroad bridge crosses White Oak Bayou to the bend in Buffalo Bayou opposite the gas works, a distance of something like 1,500 feet. The railway had acquired some sort of claim to the property and had same in its possession and control. As a result of the negotiations the city granted to the railroad wharfage rights for a distance of something like 250 feet at the place where the wharf of the Direct Navigation Company is situated,

and the railway surrendered and deeded to the City of Houston the balance of the strip for purposes of a public wharf. By this settlement the city acquired for public use a strip of land for a public wharf on the north side of the Bayou, averaging in width from 50 to 150 feet and some 1,200 feet long. In the same settlement the city obtained a deed from the Central Railroad to a public street leading down to this wharf ground by an easy descent. This settlement furnishes to the public wharf grounds on the north side of the Bayou at the head of navigation corresponding to those on the south side; and this wharf ground on the north side has the additional advantage of being in immediate connection with a switch on the H. & T. C. Railway.

We believe that with the development of commerce on Buffalo Bayou, and the improvement of these wharves, they will become of great convenience and value to the people of Houston. A requirement of the deed from the railway to the city is, that this land shall not be diverted from the public use to which it is dedicated by the settlement. The H. & T. C. Railway Company and its officials, in making the settlement without the necessity of a resort to litigation, we considered acted with a very commendable sense of fairness and public spirit.

Another matter deserving attention is that the contract of Mr. John S. Stewart for the collection of back taxes had been almost entirely executed. The fact that suits were being instituted and prosecuted, both by the Legal Department and also by Mr. Stewart, caused inconvenience and difficulties to the tax payers. This brought about a settlement with Mr. Stewart, by which all tax suits and claims which he was enforcing under his contract were turned over to the Legal Department to be handled and prosecuted entirely by that department along with other suits for unpaid taxes.

The charter requires the City Attorney to be present in person or by deputy at the sessions of the Corporation

Court, which are held twice each day, viz: 9:00 a. m. and 5:00 p. m.

During the year beginning March 1st, 1909, and ending February 28th, 1910, there were assessed and collected in the Corporation Court fines and costs aggregating \$16,924.40, all of which amount under the charter belongs to the city and goes into its general revenues.

During the past year the customary force of the department has been continued and maintained as heretofore, except that there has been added to the department Mr. T. L. Dunn, whose special business is to attend to the detail of the preparation and prosecution of suits for taxes.

Respectfully submitted,

WM. H. WILSON,
City Attorney.

ANNUAL REPORT

OF

F. J. OLLRE,

MARKET MASTER,

For the Year Ending February 28, 1910.

REPORT OF MARKET MASTER.

HOUSTON, TEXAS, March 4, 1910.

HON. H. B. RICE,
Mayor, City of Houston.

DEAR SIR:—In compliance with the City Charter, requiring the head of each department to submit an annual report as to the condition of his department, I beg to enclose herewith a statement showing collections during the year ending February 28, 1910.

As this department has just received a thorough overhauling in the way of rewiring market for lighting purposes, repairing and screening all openings, I have no recommendations to make for betterments to the Market House at present.

COLLECTIONS MADE BY THIS DEPARTMENT FOR STALL RENTAL AND MARKET PRIVILEGES DURING THE YEAR ENDING FEBRUARY 28, 1910.

March, 1909.....	\$ 1,532.75
April, 1909.....	1,577.00
May, 1909.....	1,735.50
June, 1909.....	1,909.25
July, 1909.....	1,803.25
August, 1909.....	1,558.50
September, 1909.....	1,521.25
October, 1909.....	1,576.75
November, 1909.....	1,624.00
December, 1909.....	1,592.00
January, 1910.....	1,605.50
February, 1910.....	1,540.25

\$19,576.00

Respectfully submitted,

F. J. OLLRE,
Market Master.

ANNUAL REPORT

OF

DR. GEO. W. LARENDON,
HEALTH OFFICER,

For the Year Ending February 28, 1910.

REPORT OF HEALTH OFFICER.

HOUSTON, TEXAS, March 1, 1910.

HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I herewith submit my annual report for the year ending February 28, 1910, together with tables of "Classified Lists of Causes of Deaths for Twelve Months ending February 28, 1910."

You will note that the rate of mortality is as low as that of any city the size of Houston in the United States.

I call your attention, too, to the comparatively few cases of contagious diseases occurring during the year.

38 cases of smallpox, no deaths.

80 cases of diphtheria, eight deaths.

21 cases of scarlet fever, one death.

In every instance where contagious diseases have existed, including tuberculosis and typhoid fever, that have been reported to this department, we have very promptly fumigated.

During the last six months the pest house has been closed, but on the 26th day of February it was again opened, and we now have three cases therein.

Our sanitary inspectors have been active in their work of abating nuisances of all kinds, and during the summer months we have had extra men to enforce the meat-cutting ordinance.

Sanitary sewer connections have been enforced in every instance where the ordinances cover.

The addition of the pathological and chemical branch has been a great boon to the department. Our laboratory is

well equipped with the appliances necessary for the examination of milk and foods of all kinds, and also for bacteriological examinations.

The physicians of the city are availing themselves of the advantages of this department. We have placed the necessary outfits for cultures at drug stores in the city, where physicians can get them, without cost. In this manner physicians can get reports from this department within twenty-four hours as to the contagiousness of the disease under suspicion.

We have cared for deserving sick at the hospital and at our dispensary in the City Health Office.

The work of the department has been altogether very satisfactory for the year just ending.

Respectfully submitted,

G. W. LARENDON,
City Health Officer.

Summary of Births for Year Ending February 28, 1910.

	White	Colored	Total
1909			
March.....	15	10	25
April.....	20	15	35
May.....	21	15	36
June.....	30	10	40
July.....	42	17	59
August.....	28	19	47
September.....	25	27	52
October.....	38	12	50
November.....	38	13	51
December.....	28	22	50
1910			
January.....	33	21	54
February.....	34	21	55
Totals.....	352	202	554

Classified List of Causes of Deaths for Twelve Months Ending February 28, 1910.

NAME OF DISEASE	Mar. 1909	Apr. 1909	May 1909	June 1909	July 1909	Aug. 1909	Sep. 1909	Oct. 1909	Nov. 1909	Dec. 1909	Jan. 1910	Feb. 1910	Total
I—General Diseases.													
1. Typhoid Fever, abdominal typhus.	5	2	24	3	7	3	1	1	21	1			58
2. Exanthematic Typhus.							1		1				2
3. Recurrent Fever.		1				2	1	1	6				11
4. Intermittent Fever, malarial cachexia.													
5. Smallpox.													
6. Measles.													
7. Scarlet Fever.	1	1	2	2						1			1
8. Whooping Cough.						1		3	6	2			14
9. Diphtheria and Croup.	1	1		1					5	3			7
10. Influenza.	7	2	1	5	1	2	3	2	2	4			29
11. Malarial Fever.													
12. Cholera.													
13. Cholera Nostras.	1	1	2	1			3	1	10	1	1		21
14. Dysentery.													
15. Plague.													
16. Yellow Fever.													
17. Leprosy.													
18. Erysipelas.													
19. Other epidemic diseases.													
20. Pyemia and Septicæmia.	3	2	2	1	1		2	2	10	20		11	54
21. Glanders.													
22. Anthrax.													
23. Rabies.													
24. Actinomycosis, trichinosis, etc.													
25. Pellagra.												1	1
26. Tuberculosis of Larynx.	11	13	15	15	14	13	11	7	5	2	14	11	139
27. Tuberculosis of Lungs.													
28. Tuberculosis of Meninges.	1		1						2			1	2

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	Mar. 1909	Apr. 1909	May 1909	June 1909	July 1909	Aug. 1909	Sep. 1909	Oct. 1909	Nov. 1909	Dec. 1909	Jan. 1910	Feb. 1910	Total
29. Abdominal Tuberculosis.		1		1			1	1	4		1		9
30. Pott's Disease.													
31. Cold Abscess.													
32. White Swelling.					1				2	6		1	11
33. Tuberculosis of other organs.		1			1				2	6		1	11
34. General Tuberculosis.		1							2	2			2
35. Scrofula.				1			1	1	6	1			11
36. Syphilis.	1		1										
37. Gonorrhoea, Adults.													
38. Gonococcal Affections of Infants													
39. Cancer.	1	1	1	1	2	2		2	4		4		13
40. Of the Stomach, Liver.				1	2	1	2	1			1		10
41. Of Peritoneum, Intestines, rectum.				1				1	3				5
42. Of Female Genital Organs.				1			1		2				4
43. Of Breast.				2	1				3				6
44. Of Skin.													
45. Of other organs and unspecified.									2		1		3
46. Other Tumors, except of female genital organs.								2					5
47. Acute Articular Rheumatism.									3				1
48. Chronic Rheumatism and Gout.			1					1	2				4
49. Scurvy.													
50. Diabetes.			1		1				3		1		7
51. Exophthalmic Goitre													
52. Addison's Disease.				1					1				2
53. Leukemia.				2					2	1			5
54. Anemia, Chlorosis.				1					2		1		5
55. Other general diseases.													
56. Alcoholism, Acute and Chronic.	2			1					3				6

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	Mar. 1909	Apr. 1909	May 1909	June 1909	July 1909	Aug. 1909	Sep. 1909	Oct. 1909	Nov. 1909	Dec. 1909	Jan. 1910	Feb. 1910	Total
III—Diseases of the Circulatory System.													
77. Pericarditis.....	1		1						2				4
78. Acute Endocarditis.....				1		2	1		5				9
79. Organic Heart Diseases.....	4	3	2	2	1	7	4	2	30		3		58
80. Angina Pectoris.....	1	1	1		4				6	6			19
81. Diseases of the Arteries (Atheroma, Aneurism, etc.).....			1	2		1		2	6	2			14
82. Embolism and Thrombosis.....			1				1		2				4
83. Diseases of the Veins (Varices, Hemorrhoids, Phlebitis, etc.).....											1		1
84. Diseases of the Lymphatics (Lymphangitis, etc.).....													
85. Hemorrhage.....	2	2					1	2	9				16
86. Other Diseases of the Circulatory System.....					2						1		3
IV—Diseases of the Respiratory System.													
87. Diseases of the Nasal Fosseae.....	1									1	1		3
88. Diseases of the Larynx.....													
89. Diseases of the Thyroid Body.....								1					2
90. Acute Bronchitis.....				1						3	11		15
91. Chronic Bronchitis.....		4	1	1				1	7		1		14
92. Broncho-Pneumonia.....	9	12	7	2	1	3	1	2	38	15	24		114
93. Pneumonia.....													
94. Pleurisy.....			1		1				3		1		6
95. Congestion of Lungs, Pulmonary Apoplexy.....							1	1	2				4
96. Gangrene of the Lungs.....													
97. Asthma.....		1						1			2		4

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	Mar. 1909	Apr. 1909	May 1909	June 1909	July 1909	Aug. 1909	Sep. 1909	Oct. 1909	Nov. 1909	Dec. 1909	Jan. 1910	Feb. 1910	Total
98. Pulmonary Emphysema.....										1			1
99. Other Diseases of the Respiratory System, Phthisis excepted.....						2		1	3		1		7
V—Diseases of the Digestive System.													
100. Diseases of the Mouth and Adnexa.									1				1
101. Diseases of the Pharynx.....									1				1
102. Diseases of the Esophagus.....		1							1				2
103. Ulcer of the Stomach.....		1							1				2
104. Other Diseases of the Stomach, Can- cer excepted.....		1	1			1			5	2	1		11
105. Diarrhea and Enteritis, under two years of age.....	3	3	3	2		5	3	2	27	3			53
106. Diarrhea and Enteritis, two years and over.....	1	2	2	1	3		1	1	8	3	1		25
107. Intestinal Parasites.....													
108. Hernial Intestinal Obstructions.....		1	1	2		1	1		9		2		16
109. Other Diseases of the Intestines.....	3	1	3	1	2				9				19
110. Acute Yellow Atrophy of the Liver.									1	1			3
111. Hydatid Tumor of the Liver.....					1				14				16
112. Cirrhosis of the Liver.....		1	2	5			2	3	1		4		18
113. Biliary Calculi.....	1						1						1
114. Other Diseases of the Liver.....		1	2				1		6			2	12
115. Diseases of the Spleen.....					1					1	1		2
116. Simple Peritonitis, not Puerperal.			2				1	2	6				12
117. Other Diseases of the Digestive Sys- tem, Cancer and Tuberculosis ex- cepted.....													
118. Appendicitis and Iliac Abscess.....	1		1	1	1	2	1	1	7	1	3		18
	1				4	1	1		8				15

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	Mar. 1909	Apr. 1909	May 1909	June 1909	July 1909	Aug. 1909	Sep. 1909	Oct. 1909	Nov. 1909	Dec. 1909	Jan. 1910	Feb. 1910	Total
VI—Diseases of the Genito-Urinary Organs.													
120. Acute Nephritis.....	1	3		2	3	2	1	3	15		4		37
121. Bright's Disease.....	3	3		9		3	1	1	3	3	4		45
122. Other Diseases of the Kidneys and Adnaxa.....			2			1		1	1	6	1		11
123. Urinary Calculus.....									1				1
124. Diseases of the Bladder.....													
125. Diseases of the Urethra, Urinary Abscess, etc.....													
126. Diseases of the Prostate.....													
127. Non-Veneral Diseases of the Male Genital Organs.....									1	1			2
128. Metritis.....													
129. Uterine Hemorrhage, not Puerperal.....													
130. Uterine Tumor, not Cancerous.....	1												1
131. Other Diseases of the Uterus.....						1		1	1				3
132. Ovarian Cysts and other Ovarian Tumors.....										1			1
133. Other Diseases of the Female Genital Organs.....										1			1
134. Diseases of the Breast, not Puerperal, not Cancerous.....					1			1	1				3
VII—Puerperal Diseases.													
135. Accidents of Pregnancy.....													
136. Puerperal Hemorrhage.....		1	1					2	3				7
137. Other Accidents of Labor.....													
138. Puerperal Septicemia.....		2	2	1	1			6	6	1	2		20

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	Mar. 1909	Apr. 1909	May 1909	June 1909	July 1909	Aug. 1909	Sep. 1909	Oct. 1909	Nov. 1909	Dec. 1909	Jan. 1910	Feb. 1910	Total
139. Puerperal Albuminuria and Convulsions.....				1		1		2	2				6
140. Puerperal Phlegmasia Alba Dolens..													
141. Other Puerperal Accidents, sudden deaths.....						1		1	1				3
142. Puerperal Diseases of the Breast....													
VIII—Diseases of the Skin and Cellular Tissue.													
143. Gangrene.....	1		1		2			5	6				16
144. Furuncle (Carbuncle).....						1				1			2
145. Phlegmon, Acute Abscess.....									2				2
146. Other Diseases of the Skin and Adnexa.....						2		2					4
IX—Diseases of the Locomotor System.													
147. Diseases of the Bones, non-Tuberculous.....													
148. Arthritis and other Diseases of the Joints, Tuberculosis and Rheumatism excepted.....													
149. Amputation.....													
150. Other diseases of the Organs of Locomotion.....													
X—Malformations.													
151. Congenital Malformations, Stillbirths not included.....											1	2	3

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	Mar. 1909	Apr. 1909	May 1909	June 1909	July 1909	Aug. 1909	Sep. 1909	Oct. 1909	Nov. 1909	Dec. 1909	Jan. 1910	Feb. 1910	Total
XI—Diseases of Infancy.													
152. Congenital Debility, Icterus and Sclerema.....	2			2				4	4				12
153. Other Diseases peculiar to early infancy.....					1	2		3	4	8	2		20
154. Neglect.....										1	4		5
XII—Diseases of Old Age.													
155. Senile Debility.....	5	4	3	4	1	6	7	34	37	5	8		112
XIII—External Causes.													
156. Suicide.....					1		1	2	2		2		8
157. By Asphyxia.....										2	1		3
158. Hanging or Strangulation.....			1				1		2				4
159. Drowning.....							2	2	1				4
160. Firearms.....	1							1	1	2	3		8
161. Cutting Instruments.....										2	3		5
162. Precipitation from Height.....													
163. Crushing.....								1			1		2
164. Other methods.....			2			2		4	4		1		13
165. Fractures.....									4				8
166. Dislocations.....								4	4				
167. Other Accidental Injuries.....	2		2			2	1	5	6		12		21
168. Burning by Fire.....	2	2	1		1			9	9	2	1		27
169. Burns from Corrosive Substances.....													
170. Sunstroke.....													
171. Freezing.....													
172. Electrical Shock.....	1			1	2		2	1	1		1		5
173. Accidental Drowning.....				1				6	6				17

Classified List of Causes of Deaths—Continued.

NAME OF DISEASES	Mar. 1909	Apr. 1909	May 1909	June 1909	July 1909	Aug. 1909	Sep. 1909	Oct. 1909	Nov. 1909	Dec. 1909	Jan. 1910	Feb. 1910	Total
174. Inanition (Starvation).....	3	4	2	2	1	1	.....	15	17	3	.....	.....	48
175. Inhalation of Noxious Gas, not sui- cidal.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	1
176. Other Acute Poisoning, Accidental...	.....	1	.....	.....	1	.....	1	3	3	1	2	.....	12
177. Other External Violence.....	1	.....	.....	3	.....	.....	.....	.....	12	.....	1	.....	17
177bis. Homicidal.....	2	1	3	.....	.....	1	1	12	13	1	.....	.....	33
XIV—Causes Ill-Defined.													
178. Dropsy.....	1	.....	1	3	2	.....	1	8	8	.....	.....	.....	24
179. Sudden Death, not Puerperal.....	1	1	3	1	1	1	.....	8	8	.....	2	.....	26
180. Causes not specified or ill-defined...	3	8	9	8	13	17	5	64	66	10	9	.....	212
Total deaths for year.....	94	100	115	99	96	100	76	225	300	125	132	40	1502

Death rate average for the year 14.7; population, 102,000.

ANNUAL REPORT

OF

JACK KENNEDY,

CITY SCAVENGER.

For the Year Ending February 28, 1910.

REPORT OF CITY SCAVENGER.

HOUSTON, TEXAS, March 1, 1910.

HON. H. B. RICE,
Mayor City of Houston.

DEAR SIR:—I herewith submit my annual report of the Scavenger Department, showing receipts and disbursements from March 1, 1909, to February 28, 1910.

GENERAL REVENUE. AMOUNT OF CLOSETS CLEANED.

March, 1909	.....	\$ 1,499.00
April, 1909	.....	1,419.75
May, 1909	.....	1,794.50
June, 1909	.....	1,422.25
July, 1909	.....	1,374.25
August, 1909	.....	1,242.00
September, 1909	.....	1,081.50
October, 1909	.....	1,254.25
November, 1909	.....	1,374.50
December, 1909	.....	1,309.75
January, 1910	.....	1,783.50
February, 1910	.....	1,498.00
Total	.....	<u>\$17,053.25</u>

AMOUNT OF CASH COLLECTED.

March, 1909	.....	\$ 1,478.75
April, 1909	.....	1,392.75
May, 1909	.....	1,761.75
June, 1909	.....	1,376.00
July, 1909	.....	1,336.00
August, 1909	.....	1,203.75
September, 1909	.....	1,073.00
October, 1909	.....	1,233.50
November, 1909	.....	1,347.50
December, 1909	.....	1,259.00
January, 1910	.....	1,735.25
February, 1910	.....	1,443.00
Total	.....	<u>\$16,640.25</u>

AMOUNT OF CLOSETS CLEANED WITH NO COLLECTIONS.

Charity	\$198.50
Crittenton Home and Infants' Home.....	15.00
Public schools	137.00
Unpaid bills	45.00
City Water Works.....	6.25
City stables	6.75
McKee Street bridge.....	1.50
Wharf	3.00
Total	\$413.00

RECAPITULATION.

Cash collected	\$16,640.25
Bills outstanding	413.00
Total	\$17,053.25
Expense	11,307.71
Net profit over operating expense.....	\$ 5,745.54
Amount of appropriation for 1909.....	\$13,000.00
Amount expended	11,307.71
Balance unexpended	\$ 1,692.29
Percentage of appropriation unexpended.....	13.02

GENERAL EXPENSE.

Inspector's salary	\$ 4,000.04
Clerk	700.00
Laborers	4,873.03
Feed	956.04
Doctoring mules	10.00
Horse shoeing	44.60
Repairs on wagons.....	80.89
Repairs on tools.....	28.87
Repairs on harness.....	18.80
Repairs on barrels.....	237.50
Printing and stationery.....	92.70
Towels and soap.....	12.00
Stamps	23.24
Disinfectants	180.00
Telephone—office	50.00
Total	\$11,307.71

**NUMBER OF PLACES CLEANED AND INSPECTED DURING
THE YEAR.**

		Cleaned.	Condemned.
March,	1909.....	1,732	1,451
April,	1909.....	1,669	1,477
May,	1909.....	2,022	1,815
June,	1909.....	1,726	1,540
July,	1909.....	1,651	1,442
August,	1909.....	1,507	1,370
September,	1909.....	1,332	1,285
October,	1909.....	1,505	1,447
November,	1909.....	1,639	1,419
December,	1909.....	1,558	1,571
January,	1910.....	2,095	1,590
February,	1910.....	1,763	1,505
Total	.....	20,199	17,912

INVENTORY OF LIVE STOCK, WAGONS, BARRELS, ETC.

Wagons	6
Mules	8
Disinfectant kegs	4
Gallons crude disinfectants.....	300
Sanitary barrels, new.....	33
Sanitary barrels, old.....	17

I wish to state that the live stock, wagons and other stock have become in such a bad condition that we now need, and will have to purchase, new wagons and harness and mules.

In conclusion I wish to state the earnings this year is \$1,053.32 over last year; notwithstanding the number of sewer connections put in the last year and the increase of expense of the addition of one inspector.

Respectfully submitted,

J. KENNEDY,
City Commissioner.

ANNUAL REPORT

OF

R. G. ASHE,

SUPERINTENDENT GARBAGE,

For the Year Ending February 28, 1910.

REPORT OF GARBAGE DEPARTMENT.

HOUSTON, TEXAS, March 1, 1910.

HON. H. B. RICE,
Mayor City of Houston.

DEAR SIR:—I herewith beg to submit my annual report of the Garbage Department, showing the expense of the department for the year from March 1, 1909, to February 28, 1910:

EXPENSE.

Superintendence, salary	\$ 2,010.00
Labor expense	15,416.90
Live stock, replacement and keep	2.50
Repairs and renewals of buildings	7.90
Repairs and renewals, equipments	26.02
Stationery	3.50
Telephone	20.00
Total	\$17,486.82
Budget	16,000.00
Amount overexpended	\$ 1,486.82
Percentage overexpended	9.29%

Respectfully submitted,

R. G. ASHE,
Garbage Superintendent.

ANNUAL REPORT

OF

GEORGE ELLIS,

CHIEF OF POLICE,

For the Year Ending February 28, 1910.

REPORT OF CHIEF OF POLICE.

HOUSTON, TEXAS, March 1, 1910.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I respectfully submit a detailed report of work performed by the Police Department of the City of Houston for the fiscal year ending February 28, 1910.

In regard to the discipline of the force during the year, it has been very good, as few officers have been disciplined for violation of rules. To each and every member of the department I extend my thanks for the faithful manner in which they have discharged their duty.

I wish to call your attention to the fact that on account of the rapid growth of our city I found it necessary to put on twelve additional men since the last appropriation was made for the Police Department.

In conclusion permit me to tender my sincere thanks to the Mayor, the City Commissioners and Judge John A. Kirlicks of the Corporation Court, for the kind treatment shown the department during the year; and relying on your assistance and advice in the future as in the past, I am satisfied that the department will be conducted so as to make it second to none of its size in the country.

Respectfully submitted,

GEORGE ELLIS,
Chief of Police.

ARRESTS MADE DURING THE YEAR ENDING FEBRUARY 28, 1910.

	WHITE		COLORED		TOTAL
	Male	Female	Male	Female	
March	239	12	95	40	386
April	229	12	131	33	405
May	228	15	124	31	398
June	208	18	118	31	375
July	222	9	124	24	379
August	288	4	164	34	490
September	265	26	136	34	461
October	310	18	172	75	575
November	287	5	93	22	407
December	270	7	141	21	439
January	289	6	92	14	401
February	254	10	89	23	376
Total	3,022	142	1,479	382	5,092

VIOLATING STATE LAWS.

Assault, aggravated	27
Assault, simple	249
Assault to murder	78
Assault to rape	1
Arson	2
Arson, attempted	1
Allowing minor to play pool.....	3
Abusive language	67
Burglary	152
Cruelty to animals	4
Carrying a pistol.....	26
Carrying knucks	2
Carrying dirk	3
Contempt of court.....	1
Cattle theft	2
Drunk	1,167
Disturbing the public peace.....	497
Disorderly house, keeping.....	10
Embezzlement	2
Fighting	310
Forgery	17
Fugitive from justice.....	6
Fornication	2
Gaming	150
Horse theft	6
Lunacy	15

VIOLATING STATE LAWS—Continued.

Leaving dead animal in public place.....	1
Liquor selling, without license.....	1
Murder	17
Malicious mischief	12
Passing forged instrument.....	1
Robbery, by firearms.....	6
Robbery	4
Rape	1
Seriously threatening life.....	2
Seduction	2
Swindling	5
Theft (felony)	84
Theft (misdemeanor)	120
Theft (from the person).....	22
Train jumping	95
Vagrancy	735
Violating Sunday law.....	12
Total	3,920

VIOLATING CITY ORDINANCES.

Automobile speeding	104
Automobile (no lights)	25
Automobile (no number)	3
Accompanying lewd women on streets.....	3
Bicycles (no lights)	25
Bicycles (riding on sidewalk).....	32
Cursing over telephone.....	2
Causing a collision.....	9
Conversing with prisoners without permission....	2
Driving over fire hose.....	10
Driving faster than six miles an hour.....	22
Driving fast over bridge.....	3
Driving through funeral	6
Discharging firearms in city limits.....	3
Excavating without a permit.....	8
Exposure of person.....	1
Failure to abate a nuisance.....	1
Hauling dirt from streets.....	1
Hitching on market awning.....	1
Impersonating an officer.....	1
Interfering with an officer in discharge of duty....	3
Jumping street cars.....	3
Loitering in house of prostitution.....	25

VIOLATING CITY ORDINANCES—Continued.

Leaving team unhitched.....	130
Leaving team hitched on Main St. over 30 minutes.....	32
Operating theatre without a license.....	2
Obstructing the streets.....	7
Obstructing the sidewalks.....	2
Overcharge in telephone.....	1
Overcharge in hack hire.....	1
Preaching without a permit.....	1
Peddling without a license.....	6
Refusing right of way to Fire Department.....	1
Registering as man and wife in rooming house....	12
Racing on public streets.....	2
Spitting on sidewalk.....	2
Spitting in street car.....	2
Sleeping in public place.....	4
Selling unsound eggs.....	3
Selling beer (no license).....	2
Turning in false fire alarm.....	4
Turning on public water hydrant.....	1
Trespassing	29
Using horse without consent of owner.....	4
Violating sweeping ordinance	45
Violating Article 444, City Ordinance.....	15
Violating "Move On" Ordinance.....	3
Violating Depot Ordinance	2
Violating Street Car Ordinance.....	2
Violating Article 639, City Ordinance.....	1
Violating Slop Ordinance	4
Violating Article 695, City Ordinance.....	2
Violating Hack Ordinance	7
Violating Article 350, City Ordinance.....	3
Vicious dog running at large.....	1
Total	<u>626</u>

RECAPITULATION.

Violating State Laws.....	3,920
Violating City Ordinances.....	626
Arrests on suspicion	544
Deserters	<u>2</u>
Total	5,092
Number of head of stock impounded.....	2,836

ROSTER POLICE DEPARTMENT 1909.

Name	Rank	Date of Appointment	
Anderson, Andy.....	Patrol Driver.....	January	2, 1889
Anderson, H. W.....	Patrolman (Mounted)....	February	20, 1900
Booth, H. D.....	Patrolman	September	10, 1904
Blackshear, J. T.....	Patrolman	November	5, 1908
Boone, J. L.....	Detective	October	1, 1907
Binford, T.....	Patrolman (Mounted)....	November	21, 1908
Berner, F. E.....	Turnkey	May	2, 1900
Brooks, William.....	Patrolman	May	15, 1908
Berner, E.....	Patrolman	December	1, 1906
Cain, A. J.....	Patrolman (Mounted)....	April	24, 1909
Cahill, M. F.....	Patrolman	November	13, 1891
Cooper, W. B.....	Patrolman	September	30, 1907
Connolly, F.....	Detective	September	9, 1909
Depenbrook, H. W.....	Patrolman	September	4, 1896
Ellis, George.....	Chief	April	7, 1902
Emery, Ed.....	Patrolman	February	17, 1898
Edwards, C. W.....	Patrolman	March	1, 1905
Farquhar, G. W.....	Patrolman	October	16, 1905
Fuller, N. B.....	Patrolman	May	1, 1898
Finn, Frank.....	Patrolman (Mounted)....	March	10, 1908
Felts, J. E.....	Patrolman	July	1, 1906
Fife, J. E.....	Patrolman (Mounted)....	August	17, 1908
Frederick, B. F.....	Clerk	December	15, 1905
Free, Joe.....	Patrolman	January	25, 1910
Gibbs, George W.....	Clerk	May	2, 1902
Grimstead, J. T.....	Clerk	December	11, 1892
Graham, H. T.....	Patrolman (Motorcycle)..	August	18, 1909
Gehring, Fritz.....	Patrolman (Mounted)....	May	1, 1907
Hall, J. S.....	Patrolman	May	1, 1904
Hambrick, H. W.....	Patrolman	May	2, 1906
Hilton, G. H.....	Patrolman	July	7, 1909
Hodgson, William.....	Patrolman (H. & T. C.)...	May	23, 1886
Hodgkins, C. P.....	Patrolman	August	10, 1909
Hill, J. F.....	Patrolman	July	22, 1909
Habermacher, S. M.....	Patrolman (Mounted)....	September	17, 1905
Griffith, I. C.....	Patrolman (H. & T. C.).....		
Heck, C. W.....	Patrolman	December	23, 1906
Johnson, B.....	Patrolman	August	20, 1909
Jones, F. R.....	Patrol Driver.....	May	1, 1902
Jones, C. E.....	Detective	September	26, 1909
Jones, O. B.....	Clerk	February	6, 1908
Jones, Ned (col).....	Patrolman	June	4, 1894
Kessler, W. F.....	Chief Detective.....	April	19, 1896
Kennerly, J. E.....	Detective	November	9, 1906

Name	Rank	Date of Appointment
Krum, S. J.....	Roundsman	January 31, 1900
Kegans, W. H.....	Patrolman (Mounted)....	December 24, 1890
Little, R.....	Chauffeur	September 21, 1909
Lubbock, Thomas W...	Patrolman (Mounted)....	April 17, 1906
Lockart, F. L.....	Patrolman (Mounted)....	April 27, 1908
*Murphy, William.....	Assistant Chief.....	May 1, 1902
Murphy, G. L.....	Patrolman	December 10, 1909
Moody, H. C.....	Patrolman (Mounted)....	April 20, 1908
Moore, H. H.....	Patrolman	August 5, 1909
Monroe, M. P.....	Patrolman	May 1, 1906
Millsap, A. J.....	Patrolman (Motorcycle)..	August 19, 1909
McCarty, J.....	Patrolman	November 15, 1909
McClanahan, J. T....	Warrant Officer.....	July 19, 1898
McBurney, W.....	Patrolman	October 8, 1902
McNutt, J. B.....	Patrolman	May 28, 1908
Nichols, R. C.....	Patrolman	July 20, 1909
Nicholson, E. N.....	Patrolman (Mounted)....	August 13, 1905
O'Leary, P. S.....	Patrolman	April 23, 1909
Peyton, George.....	Detective	August 19, 1906
Perkins, W. H.....	Patrolman	May 4, 1908
Randle, V. S.....	Patrolman (Mounted)....	December 15, 1909
†Ray, J. M.....	Sergeant (First).....	August 6, 1891
Robinson, D. W.....	Patrolman (Motorcycle)..	May 22, 1909
Reagan, H.....	Patrolman	November 13, 1905
Shoemaker, H. D.....	Patrolman	October 1, 1909
Smith, J. M.....	Patrolman	April 12, 1908
Smith, R. R.....	Detective	October 1, 1905
Smith, W. H.....	Detective	February 20, 1900
Stockton, W. J.....	Patrolman	May 23, 1902
Settle, R. H.....	Patrolman	May 8, 1909
Stone, S. P.....	Patrolman	May 1, 1894
Simmons, C. J.....	Patrolman (Motorcycle)..	August 18, 1909
Scott, J. F.....	Patrolman	January 7, 1899
Schulz, W. F.....	Patrolman	August 2, 1909
Spaulding, J. S.....	Patrolman	June 24, 1908
Trimble, D. M.....	Patrolman	August 6, 1905
Toole, J. P.....	Patrolman	January 1, 1910
Tozier, Mrs. A.....	Police Matron.....	August 27, 1907
Urban, J. E.....	Patrolman	July 10, 1909
Varnell, J.....	Patrolman	July 10, 1909
Williams, W. C.....	Turnkey	November 1, 1904
Ward, R. L.....	Sergeant (Second).....	June 2, 1903
Wagner, H. J.....	Patrolman	May 22, 1909
Wagner, F. E.....	Patrolman	August 10, 1909
Worke, William.....	Patrolman	October 13, 1904
Whittington, B. W....	Patrolman	August 7, 1899
Wilson, C. M.....	Patrolman (Mounted)....	June 21, 1906

*Deceased.

†Now Assistant Chief.

**TOTAL NUMBER OF RUNS MADE AND NUMBER OF MILES TRAV-
ELED BY PATROL DURING YEAR.**

	DAY		NIGHT	
	Runs	Miles	Runs	Miles
March	103	180	133	204
April	99	124	124	151
May	97	173	118	184
June	106	177	108	190
July	116	180	115	134
August	130	257	146	276
September	90	151	140	256
October	99	157	132	243
November	90	131	130	227
December	119	172	119	189
January	172	260	148	211
February	145	234	139	191
Total	1,346	2,196	1,552	2,456

FORCE OF THE POLICE DEPARTMENT.

1 Chief	\$2,400.00
1 Assistant Chief.....	1,500.00
2 Sergeants	2,460.00
1 Roundsman	1,080.00
4 Clerks	4,440.00
8 Detectives	8,340.00
1 Warrant Officer	1,080.00
2 Turnkeys	1,800.00
1 Matron	720.00
2 Patrol Drivers.....	1,800.00
14 Mounted Officers	15,120.00
4 Motor Cycle Officers.....	3,600.00
51 Patrolmen	45,900.00
1 Chauffeur	900.00
Total	\$91,140.00

COMPARATIVE STATEMENT.

	1905	1906	1907	1908	1909
Total arrests...	4,470	4,815	4,480	4,291	5,092
Stock im- pounded	2,437	2,767	2,461	2,529	2,836
Wagon calls....	2,308	2,482	2,772	2,441	2,898
Wagon mileage.		3,844	3,942	3,812	4,652
Pound fees.....	\$ 3,250.40	\$ 3,641.25	\$ 3,319.65	\$ 2,994.10	\$ 3,708.55
Fines and costs	12,887.15	15,941.80	13,975.41	11,844.15	16,924.40
Dog tax.....	524.00	808.00	545.00	582.00	284.00
Special detail...	3,797.00	7,299.45	3,638.10	2,428.50	2,238.00

REVENUES POLICE DEPARTMENT.

	Fines and Cost.	Pound.	Dog Tax.	Special Detail.	Other.
March	\$ 1,042.10	\$ 348.50	.....	\$ 155.50	\$ 10.50
April	1,273.95	389.50	.....	160.50	13.00
May	1,517.55	429.65	.....	236.00	.....
June	1,375.60	189.75	204.00	285.50	.....
July	1,136.00	114.55	32.00	160.00	.....
August	2,062.50	146.00	10.00	212.50	.....
September	1,756.10	409.00	34.00	174.00	11.50
October	2,132.55	346.00	2.00	162.50	.....
November	1,377.45	408.05	2.00	182.50	3.00
December	1,304.70	277.50	.....	182.50	.....
January	1,136.95	324.00	.....	157.50	81.75
February	808.95	326.05	.....	160.00	.....
	<u>\$16,924.40</u>	<u>\$3,708.55</u>	<u>\$284.00</u>	<u>\$2,238.00</u>	<u>\$119.75</u>

COST OF OPERATING THE POLICE DEPARTMENT FOR THE YEAR ENDING
FEBRUARY 28, 1910.

Salaries	\$86,784.23
Patrol wagon and equipment.....	39.10
Live stock	415.06
Repairs to buildings.....	195.35
Repairs and renewals of equipment.....	3,457.28
Light and heat.....	374.03
Subsistence of prisoners.....	4,236.30
Stationery and printing.....	202.10
Other	2,619.92
Pound repairs	9.00
Pound, other	324.62
Total	<u>\$98,656.99</u>

COMPARATIVE STATEMENT OF REVENUES AND OPERATING EXPENSES OF THE
POLICE DEPARTMENT.

Year.	Revenues.	Operating Expenses.
1901.....	\$ 9,891.90	\$62,274.97
1902.....	12,603.50	62,498.66
1903.....	13,407.15	58,604.97
1904.....	16,414.85	64,506.55
1905.....	20,458.55	69,446.52
1906.....	28,094.75	71,857.90
1907.....	21,676.41	72,782.67
1908.....	17,926.15	86,354.46
1909.....	23,274.70	98,656.99

REPORT OF DETECTIVE DEPARTMENT FOR THE YEAR ENDING FEBRUARY 28, 1910.

Abusive language	6
Aggravated assault	5
Assault	16
Assault to murder.....	14
Assault to rape.....	1
Attempted arson	1
Burglary	73
Carrying brass knuckles.....	1
Carrying a dirk.....	1
Carrying a pistol.....	3
Carrying concealed weapons	1
Causing a collision.....	1
Discharging firearms in city limits.....	1
Disposing of mortgaged property.....	1
Disturbing the peace.....	30
Drunk	40
Fighting	4
Forgery	13
Fornication.....	2
Fugitive	1
Gaming	28
Horse theft	4
Keeping a disorderly house.....	4
Loitering	6
Lunacy	1
Murder	5
Peddling without a license.....	3
Permitting minor to enter and play pool.....	5
Registering as man and wife.....	8
Robbery	5
Robbery (by firearms).....	2
Seduction	1
Suspicion	186
Swindling	5
Taking team without consent.....	2
Theft (felony)	50
Theft (from the person).....	14
Theft (misdemeanor).....	51
Trespassing	3
Unlawfully riding train.....	2
Vagrancy	281
Violating speed ordinance.....	3
Violating Sunday law.....	7
Total	891

PROPERTY STOLEN AND LOST, RECOVERED AND UNRECOVERED.

Stolen property recovered.....	\$33,274.44
Stolen property unrecovered.....	18,607.96
Total stolen property.....	\$51,882.40
Lost property recovered.....	\$ 3,556.56
Lost property unrecovered.....	2,995.05
Total lost property.....	\$ 6,551.61

ANNUAL REPORT

OF

CLARENCE R. GEORGE,
CITY ELECTRICIAN,

For the Year Ending February 28, 1910.

REPORT OF CITY ELECTRICIAN.

HOUSTON, TEXAS, February 28th, 1910.

HON. H. B. RICE,

Mayor of the City of Houston.

DEAR SIR:—I have the honor of submitting herewith this my annual report of the Electrical Department for the year ending February 28, 1910.

This report contains a full statement of all matters pertaining to this department, such as expenses and receipts, repairs and renewals to the fire alarm system, installation of new fire alarm signal boxes, installation of the underground cable system for the fire alarm wires now under course of installation.

I am pleased to report to you that we have received very nearly all or about 80 per cent of the material for the underground system. The cable, which is the greater part of the expense, has arrived and stored ready for use. I have deferred pulling this cable in owing to the uncertainty of the weather, as I deem it wise to install cable during a temperature more suitable to the lead casing of this class of cable. However, I am progressing very fast with the work, and expect to have the system completed within the next few months.

The lightning arrester and protector board has also been received and the ten new keyless door fire alarm signal boxes for the business district are on hand and will be installed along with the cable.

The new additional twelve circuit storage battery switch-board for the alarm (gong) circuits and police circuits has

been ordered and is now in course of construction, and I expect shipment of this board within the next thirty days.

The pedestals for mounting the alarm boxes in the business section of the city have been received, and are now being prepared for installation. I have not as yet ordered the upper cases for the pedestals, but as per your instructions I have designed an upper case that will support an indicating lamp in red, with street sign attached.

This arrangement will not only show at night the location of each fire alarm box by the red light, but will have an indicating street sign on each four sides of the lamp hood. This same system of upper case and lamp can be adopted with the pedestals for the police signal boxes by the use of the blue instead of red, that is, red for the fire alarm boxes and blue for the police boxes, while at the same time the blue light can be used for code signals for calling the officers on their respective beats.

UNDERGROUND CABLE.

As per your instructions, I have taken pains to carry out every detail in the design and construction of the cables so that they can be used jointly for both fire alarm and police circuits.

This cable is constructed of No. 14 G. & S. gauge 98 per cent pure copper tinned, insulated with the best grade of rubber and encased in lead sheath, the whole being manufactured and furnished by The Safety Insulated Wire and Cable Company of New York, and was made under very rigid specifications furnished by this department.

In making my plans, designs and specifications for this cable, I wish to state that I have consulted some of the best authorities throughout the different cities on fire and police alarm underground cable installation. I have not only consulted these gentlemen in person, but have looked into and inspected systems in other cities while in attendance at the Municipal Electricians' conventions. My attendance at these conventions has not only been of vast benefit to me in this particular instance, but in many other ways in the discharge

of my duty from a business and electrical standpoint in the management of the Electrical Department.

The method of installation and distribution for our fire alarm and police system of underground cables in the business section of the city, now being installed, will be, when completed, what may be termed a unit system of cable distribution. This method of installing cables is new and affords many advantages over the old method known as the Y system of cable splicing or distribution generally in use.

The advantage gained by this method is that there will be no splicing of the cables underground in man-holes, each section of cable connecting to its corresponding section in the base of each fire or police pedestal, through terminal blocks of slate, on which is mounted bolt connectors suitable to the size of each cable. This method of terminal block connection provides a more suitable system of testing each and every section of cable without interfering with the working service of the lines.

If at any time it becomes necessary to remove any part or section of the cable, it is only necessary to lift the pedestal by unscrewing it from the base at each end of the cable to be removed, at the same time running temporary wires to replace the cable being removed. The cable can then be taken out of the duct for repairs, or to replace the new piece without interrupting the service.

In the installation of this system I have taken advantage of the errors and experience of other cities, and have profited thereby in the formation of my plans. This, however, has taken time, and plan after plan has been worked over until I have succeeded in working out the system above mentioned. From the very beginning of this installation I appreciated the fact that it was my duty to install a system as near perfect as could be installed, and from the opinion and approval of some of the best authorities in this line of work I believe that I have succeeded, and that this city will have an underground fire and police cable system second to none.

FIRE ALARM SYSTEM.

With all fire alarm wires in the business section of the city underground and the signal boxes mounted on iron pedestals, with red lamp and street sign over each box; and with the police signal boxes mounted in the same manner, but with the blue lamp and street sign, we will have removed all danger from interference to the city's overhead wires. This improvement will furnish to the public a most reliable and uninterrupted fire alarm service.

The fire alarm service should be so maintained, that it can be perfectly reliable at all times regardless of the condition of the weather or other electrical appliances, as it is the one thing that governs the movement of the fire department in directing it to the locality of fires. Its perfect working is depended upon by the fire department, the public expects it to properly call the department without error in time of fire; therefore, the service should be maintained with perfect efficiency and uninterrupted working order every moment of the three hundred and sixty-five days of each year.

To accomplish this necessary service requires that all apparatus and material for the installation and maintenance of the system must be of the best obtainable, and this has been the effort of the department in the past, and especially so in the design and purchase of apparatus and material for the new installation.

I have designed the new installation in the business section of the city so that the fire alarm box distribution will meet the growing demands of the city. There will be boxes placed so that they will be at regular intervals and the same distance apart alternately by streets each way, or about six hundred feet from box to box.

So that you will better understand this arrangement, we will say that someone standing at the corner of Main and Congress discovers a fire: now in order to sound the alarm he will only have to go one block from this corner in either direction to find a box.

This arrangement as designed will require about six more signal boxes to perfect it in the fire limits, the business district having been provided for.

Owing to the rapid growth of the city, this department has been unable to keep up with the demand for additional fire alarm protection in the way of installing new signal boxes where badly needed, and I would suggest that this matter of new signal boxes be taken up for the coming year.

GONG CIRCUITS.

It is my intention during the coming year to re-arrange the present system of receiving alarms in the engine-houses by the installation of direct gong lines to each engine-house. These lines and gongs will be so arranged that only the fire company responding to the first alarm will receive the call, followed by notice to all other houses that there is an alarm in and that certain companies are out.

This arrangement will be so arranged that it will be in use only at night, and will be of great benefit to the department—inasmuch as it only calls those companies wanted.

ALARM TRANSMITTER.

Our present method of handling alarms, especially those alarms received by telephone, is very inadequate. The transmitter now located on the ground floor of the central station is being attended to by anyone of the firemen that may chance to answer the phone, and this necessitates him re-transmitting the alarm by the use of the transmitter, or more likely delaying the alarm until he can call some one of the other firemen who are more familiar with the locality of the fire and the box number nearest thereto. This method is very crude and errors are made, and sometimes the department sent in the wrong direction. This, however, is due to the fact that we have no regular operator for this particular duty, and as the result anyone that answers the phone attempts to sound the alarm over the transmitter.

When the phone rings, everyone near it naturally thinks there is a call for a fire, and if so, there are several suggestions as to what number box to sound over the alarm system; this generally causes confusion and as a result there is sometimes an error made—with no one responsible for it.

In the rearrangement of the office to care for the additional apparatus, I am providing circuits so that this transmitter can be removed to the new office and all alarms handled by an operator. This will not only assure of no errors being made, but will furnish better and more efficient service in handling alarms and be the means by which many runs now being made for small roof and flue fires can be saved. This will also enable the department heads to know who is responsible for errors if any are made.

PROPOSED METHOD OF HANDLING ALARMS.

When an alarm is sounded from a street box it will come direct to the office and registers on a paper tape by cutting the number of the box in the paper. At the instant that this alarm comes in, the operator takes the first round (number) of the box and sets this number up on the transmitter and sends it out to the fire stations that make this box on the first call; this alarm goes out on the alarm (gong) circuits to the stations that respond to the first call, and to all other stations on the register or indicator, which notifies all stations that there is an alarm in, also the number of the box, so that in case of a second or general alarm they will know where to go.

I will also provide means by which the operator will be able to keep account of the movement of each piece of apparatus, that will enable him to direct whatever company desired in any direction, and to fires that may occur at the time that any of the other apparatus are out.

ELECTRIC LIGHT UNDERGROUND SYSTEM.

The work of installing the electric light conduit system underground, by the Houston Lighting and Power Company, now in progress of installation, is being placed very rapidly and is most complete in its method of distribution.

When this system is completed and the lighting company removes its overhead wires, which it expects to do within the next six months, to the underground system, there will only remain the wires and poles of the Western Union Telegraph Company and Citizens Telephone Company, with a few scattered poles of the Southwestern Telephone and Telegraph Company.

Following your instructions regarding the street lighting system, I have taken this matter up with the lighting company and arranged with it to provide underground outlets from its system at each of the four corners and at poles between the block.

This will eliminate the old and unsightly wood pole now in use and be replaced by an ornamental iron pole of sufficient size and height for the arc lamps and support of the trolley span wires. The system of lighting the business section of the city will be a great improvement over the present method.

I have also arranged with the lighting company to provide outlets from its underground system for the lights to be placed on our fire and police signal boxes, this system of lights to be controlled from the central fire alarm office by automatic devices.

CITIZENS TELEPHONE COMPANY'S POLES AND WIRES.

During the past year this department has found the poles and wires of the Citizens Telephone Company to be in such state of deterioration and dangerous condition that, to avoid damage and accident, it became necessary for this department to remove a considerable number of its poles and wires.

IMPROVEMENT TO FIRE ALARM SYSTEM.

The following new fire alarm signal boxes have been added to the system:

- Box 419—Louisiana and Webster.
- Box 436—Louisiana and McGowen.
- Box 361—Fannin and Prairie.
- Box 423—Preston and Smith.
- Box 39—Preston and Caroline.

Rebuilt lines by running new wire and overhauling same on Washington Avenue from Fifth to Tenth, on Tenth from Washington to Dart, on Dart from Tenth to Holly, on Holly from Dart to Spring, on Spring from Holly to Houston Avenue.

On Jackson from Congress to Franklin, on Franklin to Broadway, on International & Great Northern Place from Franklin to Runnels.

On Chartres, two wires from Franklin to Commerce, on Commerce from Chartres to Hamilton, on Hamilton from Commerce to Lyle.

On Houston Avenue, two wires from Spring to Alamo, on Alamo from Houston Avenue to Colorado.

On Montgomery from Burnett to No. 9 Fire Station.

This necessitated the removal of the old wire and resetting all boxes on this new line.

SOUTHERN PACIFIC FIRE ALARM STATION.

I have installed for the Southern Pacific Company, in its shop yards, a fire station-auxiliary fire alarm system with four auxiliaries, and one street box with gong and indicator. This system is so arranged that they can call out their local fire department without calling upon the city department. It is also arranged so that they can call the city department without calling their department, or they can call both departments at the same time by the use of the auxiliary system, the working of which actuates the street box sending the alarm direct to the city department. The installation of this system was at the expense of the Southern Pacific Company and has no direct electrical connection with our fire alarm system, but is worked through a mechanical device so that in case of trouble with its wires there will be no interruption to our system.

ELECTRICAL INSTALLATION AND WORK FOR OTHER DEPARTMENTS.

For the city park I have wired for and installed a search-light and taken care of the regular lighting system.

For the city stables I have installed an additional number of lights; all wiring was placed in conduit.

I have rewired and added additional lights at the water works pumping station, the entire installation being placed in conduit with the most approved fittings.

City Market: I have rewired the entire first floor of the city hall (market) by removing the old open wiring system and placing the new system in conduit. This wiring system is so arranged that each tenant can be provided with separate meters and each paying for his or their own service.

Installed two fans and lights in the office of Engineer Dormant.

One fan and lights in the office of Commissioner Jones.

Installed additional lights in the office of the Milk Inspector.

Overhauled all fans in the City Hall.

Placed a conduit system of wiring in the South End Pumping Station.

Decorated City Hall and Central Fire Station for the annual Carnival.

Maintained the electric lighting in all of the fire stations and city buildings and made all necessary repairs thereto.

ELECTRICAL INSPECTION.

Number of permits for electric wiring.....	1,497
Number of permits for electric service.....	1,349
Number of certificates for electrical installations.....	14
Number of permits to set poles.....	72
Number of poles inspected	901
Revenue from inspection and others.....	\$5,116.27

This branch of the department has had its usual attention, but owing to the growth of the city it is necessary that I add another inspector to the department, as the present work is more than one inspector can handle and make the proper inspections, owing to the time required for this class of inspections.

APPROXIMATE VALUATION OF THE FIRE ALARM SYSTEM.

The following figures show an approximate valuation of the fire alarm system:

All engine house equipment (electrical)	\$ 3,955.25
Outside construction, signal boxes, wires, poles and other fixtures	33,150.44
Central office equipment and furniture.....	11,195.84
Horses and buggy and automobile.....	1,628.00
Total.....	\$49,929.53

The above figures do not include the number of private fire alarm boxes attached to the system.

The total number of fire alarm signal boxes is: City 115, and private 15, making a total of 130—an increase over the previous year of 15 boxes. Two of these boxes were installed in the business section of the city, three in the residence section, one private in the Southern Pacific shops. The ten now on hand are being installed in the business section and are included in the valuation of the plant.

EXPENSES OF THE DEPARTMENT.

The following figures will show the expense of the department—with improvements, betterments, additions and extension of the system in the item of extraordinary:

Salary Superintendent	\$ 1,800.00
Salary Inspectors	1,357.50
Repairs and renewals to fire alarm, including salary of line-man	2,399.27
Other expense	860.08
Total, ordinary	\$ 6,416.85
Extraordinary	15,494.43
Grand total	\$21,911.28

RECOMMENDATIONS.

For the budget allowance I wish to ask for an appropriation of about \$6,000.00 for the year 1910. I find that it will be necessary for the department to rebuild some of our old outside lines by replacing quite a lot of the old iron wires.

In consideration of the great improvement and installation of our system of fire and police cables underground, mounting all signal boxes on steel posts, installing new and addi-

tional boxes in the business section, increasing the capacity of the plant and improving our method of handling alarms, of which the above were recommended in my last annual report, and I am pleased to report that within the next few weeks all these improvements will be completed.

However, I wish to recommend that we purchase and install as many new signal boxes as the department can be allowed, during the coming year, especially in the residential sections of the city.

CONCLUSION.

In concluding this report I wish to thank you for the assistance you have rendered me in the discharge of my duty, and the means by which you have enabled me to make our electrical equipment equal to any city. As head of this department, I have endeavored to carry out your instructions as to our recent improvements, and I believe that I have succeeded.

I also wish to thank the Commissioners for their assistance during the past year; also Chief Ollre, of the Fire Department, who has been ready at any time to assist this department.

Through this report I wish to extend my thanks to the employes of this department, who have shown a disposition to do whatever they have been called upon to do to make the department successful.

Very respectfully submitted,

CLARENCE R. GEORGE,
City Electrician.

ANNUAL REPORT

OF

**HOUSTON LYCEUM AND
CARNEGIE LIBRARY**

For the Year Ending February 28, 1910.

REPORT OF HOUSTON LYCEUM AND CARNEGIE LIBRARY.

HOUSTON, TEXAS, March 1, 1910.

TO THE HONORABLE H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—The past year has been one of satisfactory progress for the Library. Each year establishes this institution more firmly as one of Houston's most valuable educational institutions, second in importance only to the public schools.

The Library's fiscal and statistical year ends the first of May, but a statement of work accomplished so far is given herewith.

During the past ten months there have been 3,136 applications for the privilege of taking books from the library, making a total of 9,602 active members in the library. This means that practically one person out of every ten in Houston holds a library card. 2,731 books have been added so far, 1,992 by purchase from city funds, 476 by purchase from the Meldrum fund, and 263 by gift. The total number of volumes now in the library is 28,948 volumes. The number of volumes loaned up to the first of March was 76,025. The year's records will probably show a good increase in use over last year. There has also been an increase in the percentage of books of non-fiction loaned. The library's effort is to improve the kind of reading done as well as to increase the number of volumes used. The non-fiction percentage so far has been 24 per cent of the whole. In addition to the books loaned from the main library, books have been sent to several schools far away from the library, and to the Settlement House, so that those children for whom it is inconvenient to come to the library may have the benefit of library books.

The growth of the library made it necessary to have new shelving to relieve the congested condition, and in December this was installed, adding very much to the appearance of the library. The cost of the shelving was \$550.00. The reading room was moved upstairs to give more room on the first floor for open shelves.

In response to the demand of a number of colored citizens, a branch for negroes was opened on the fifth of May. An appropriation of \$500.00 was added by the city to the library's regular appropriation for the colored branch, and this has been expended for books and for salary of the librarian. The branch was opened in the colored high school with 534 volumes. The library so far has had good use and seems to fill a need. There have been circulated since the fifth of May 3,738 volumes. The library is open from 3:00 to 9:00 p. m. daily.

The report of the treasurer, Mr. E. L. Dennis, for the year ending May 1st, 1909, is herewith appended:

RECEIPTS.

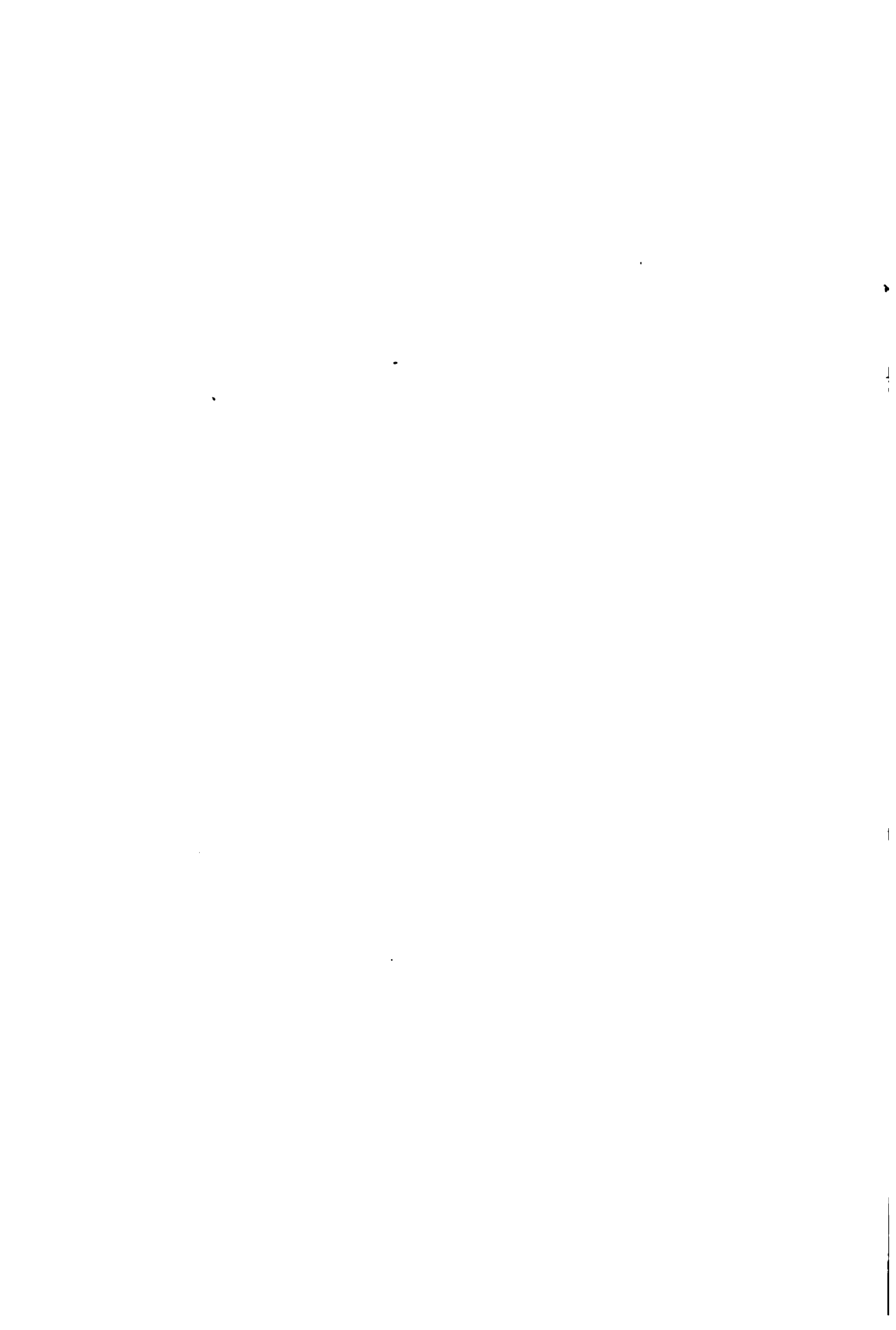
May 1st, 1908.	Bal. in hands of Treasurer.....	\$	4.61	
	Bal. in hands of Librarian.....		57.65	
May 1st, 1909.	City of Houston, appropriation.....		7,245.00	
	Dues from clubs, rentals, etc.....		83.00	
	Fines, lost books, sundries paid to librarian		797.69	
				<u>\$8,187.95</u>

EXPENDITURES.

Salaries	\$4,186.50
Colored branch	46.20
Insurance (three years).....	490.00
Books, periodicals, binding.....	1,657.21
Building repairs	203.85
Coal, lights, phone.....	464.69
Supplies, stationery, miscellaneous.....	531.71
Balance in hands of Treasurer.....	585.06
Balance in hands of Librarian.....	22.73
	<u>\$8,187.95</u>

Very respectfully,

JULIA IDESON,
Librarian.



ANNUAL REPORT

OF

PAT DOUGHERTY,

PURCHASING AGENT,

For the Year Ending February 28, 1910.

REPORT OF PURCHASING AGENT.

HOUSTON, TEXAS, March 1, 1910.

TO THE HONORABLE H. B. RICE,
Mayor City of Houston.

DEAR SIR:—This department being an adjunct to your office, inasmuch as the City Charter vests the purchasing power in the Mayor, the duties for the most part are clerical, the head of the department being under your direction and supervision.

When the Purchasing Department was inaugurated as a new division of the municipal government on August 1, 1909, its head began immediately formulating a system for carrying out your instructions, viz:

To adopt the competitive bid system in the purchase of supplies for the various departments.

To keep in touch with the markets and secure reliable information as to probable fluctuations, and by so doing be able to anticipate increases by laying in stocks of supplies when possible.

To keep in touch with the Mayor and before issuing an order for purchases when requisitions issue from the various departments to confer with the Mayor.

To inspect all bills against the city and to "O. K." bills only when accompanied by the official order signed by the Mayor and City Secretary, the city being responsible only for bills officially authorized.

When bills are presented to see to it that the prices conform to the bids.

When deliveries are made to see that the qualities and weights are correct.

In a nutshell, the concentration of all the purchases for all the departments under one head and the installation of a system of records for the intelligent conduct of the department.

COMPETITIVE SYSTEM.

As a result of the adoption of the competitive system the City of Houston is purchasing the bulk of supplies for the various departments at "dealers' prices." In other words, jobbers and manufacturers grant the same prices and discounts to the City of Houston that they grant to dealers. The city's volume of business is worth striving for, and jobbers, manufacturers and dealers generally make price concessions to capture this business the same as they do in cases of all large corporations which do a great volume of business.

BRIDGE LUMBER.

The wisdom of keeping in touch with the markets and securing reliable information as to probable price fluctuations is emphasized by the results obtained in the purchase of lumber for the city's bridges and culverts, by the following comparisons:

From May to August, 1909, the price range on pine lumber, 3x8x20, rough heart, was \$16.50 to \$26.00, as shown by the records in the Controller's office. The average price was about \$21.

During the seven months from August 1, 1909, to February 28, 1910, the city purchased approximately 200,000 feet of this lumber. The price ranged from \$16 to \$22.50. The latter figure was paid only in cases of emergency when it was necessary to secure lumber from yards after it had been placed in retail stocks. The bulk of this lumber was purchased at \$17.50 per 1000 by the carlot. The average price paid was about \$18.

While it would, perhaps, be impossible to make an accurate comparison of one period over another for the reason that the lumber market is subject to continuous fluctuation,

the above comparison is, it is believed, conservative. If it is, the city saved approximately \$600 on bridge lumber during the seven months.

FEED PURCHASES.

In placing reliance upon advice of experts as to the feed markets, this department about the middle of September purchased for the Street and Bridge Department two cars of oats, the best oats on the market at the time, for 52½ cents per bushel. The prices fluctuated almost immediately between 55 and 63 cents. Again, on November 30, the oat market having dropped to a low ebb, two more cars of best quality cleaned and clipped oats were purchased for 52½ cents per bushel. Shortly after this supply was laid in the market went up and ranged from 56 to 65. This last supply fed the department until about the middle of February, the four cars feeding the department for six months. There were in the four cars 5,000 bushels, the total expenditure being \$2,625.00.

At a conservative estimate there was a saving of 8 cents per bushel on oats for this department during the six months, or an approximate total saving of \$400.

In September a car of slightly bleached alfalfa hay was purchased for \$13 per ton when the market was \$19. While bleached hay is not salable to the family trade it is considered as good as the green by feeders. The car contained twelve tons, netting a saving of \$72. This was for the Street and Bridge Department.

In October a car of slightly bleached alfalfa hay was purchased for \$18.50 when this hay was selling for \$22.50. The car contained fourteen tons, thus netting a saving of approximately \$56. Also for the Street and Bridge Department.

Early in November two cars of green alfalfa hay were purchased for the Street and Bridge Department at \$22.25 per ton when the prevailing price was \$23, later going to \$24. These two cars contained twenty-eight tons, and the

saving was approximately \$1.00 per ton. This supply fed the Street and Bridge Department until about the middle of February, making a total approximate saving on hay for this department during the six months of \$156.

THE STOCK DEPARTMENT.

Owing to the fact that there is not store-room at the fire stations for housing feed supplies for longer than two weeks, nor at the Police Department, barns at the water plant were converted into "storage for stock account" for the Fire, Police and Water Departments.

In September two cars of oats were purchased for "stock account" at 52½ cents per bushel. There were in the lot 2,500 bushels, the total expenditure being \$1,312.50. Due to fluctuations during the time this supply fed the above departments, there was a saving of approximately 8 cents per bushel, or an approximate total saving of \$200.

About December 1, two cars of oats were purchased for "stock account" for 53 cents per bushel, the market being at low ebb at the time. One car was for immediate delivery, the second car to be delivered about January 10. At the time the last car was delivered to "stock" the price on this quality oats was 60 cents. The price has ranged from 59 to 63 cents, going as high as 65 cents. There are 400 bushels of this supply in stock. Conservatively estimated there has been a saving to the different departments feeding "stock" on this lot of \$200.

The prevailing price of timothy hay from August to December was \$19 to \$21 per ton. In September a car of thirteen tons was purchased for "stock" to be issued to the Fire Department, this being the only department feeding timothy, at \$18. In October a car was placed in "stock" for the Fire Department at \$18.50, while in December a car was placed in "stock" for \$22.50. This hay has been selling as high as \$24 and is difficult to secure at any price. There are approximately five tons of timothy of the last lot in

"stock." The approximate total saving on hay for the Fire Department during the seven months has been \$60.

From August 1, 1909, to February 28, 1910, total purchases for "stock" amounted to \$3,261.81. Total issues from "stock" were \$2,975.26, leaving total on hand of value of \$285.55.

Issues from "stock" to different departments were as follows:

Fire	\$2,376.36
Police	74.67
Water	307.73
Street and Bridge.....	9.00
Sewer	15.00
Scavenger	192.50

Cost of feeding per head of the horses and mules in the various departments has been as follows, per month:

	Per head.
Fire Department (47 horses).....	\$12.50
Street and Bridge (65 mules).....	10.00
Police (4 patrol horses)	9.50
Water Department (8 mules).....	10.00
Scavenger (10 mules).....	13.50

Owing to the fact that there is no storage capacity at the scavenger stables, coupled with the fact that it is considered by the head of that department that the mules are worth more to the city in their routine capacity than they would be during the time consumed in hauling feed from "stock," feed supplies for this department were subject to market fluctuations, hence the difference in the cost of feeding. The fire horses, in addition to being fed oats and timothy hay, are fed bran, and occasionally chops and stock food. These are high-class horses and the best and most expensive must be fed them.

COMPETITION AMONG OIL COMPANIES.

Competition among the oil companies for the city's business has been vigorous, with the result that the city is now paying only 10 cents per gallon for gasoline, against 13 to 14, and in some instances, 15 cents, prior to August 1.

Almost immediately there was a drop to 10½ cents. Kerosene is being purchased for 8 cents per gallon against 10 to 11 cents, while engine naphtha is being purchased for 8 cents against 10 and 11 cents prior to August 1. Axle grease is being purchased at 2½ to 3 cents per pound against 4 cents prior to August 1. On some qualities of cylinder oil 45 cents is being paid against 65 cents, while on some qualities of engine oil 30 cents is being paid against 45 cents. On compression grease and other lubricants there has been a material reduction in prices.

The Police Department with auto and four motorcycles, the latter doing police duty continuously day and night, consumes approximately 300 gallons of gasoline per month. The Fire Department consumes per month approximately 125 gallons. The Electrical Department consumes approximately 60 gallons, while the Water Department consumes approximately 100 gallons. The tender to the Dredge Tom Ball consumes gasoline, while the Sewer and Street and Bridge Departments consume gasoline in small quantities.

The Fire Department consumes about 90 gallons of kerosene per month, and about the same amount of engine naphtha. The Police, Street and Bridge, Scavenger and Sewer Departments consume kerosene in small quantities each month.

OTHER SUPPLIES.

Dealers in picks, shovels, all kinds of hardware, tools, pipe, couplings and other fittings, and nails, have been anxious to secure business from the city, and have made close prices and discounts. Competition among such dealers has been brisk. It would not be possible to go into detail as to the saving.

Dealers in electrical supplies have also given the city the same close discounts that they give to the trade, the smaller dealers.

There has been a reduction in the price of cement from \$1.80 and \$1.90, the prices prevailing prior to August 1, to

\$1.70 on purchases of less than ten barrels and \$1.60 on purchases in excess of that. A supply of cement for the Water Department for the manufacture of meter boxes was laid in for \$1.38 per barrel, a price, I am informed, smaller than the average contractor pays.

There has been a reduction in the prices of sewer pipe, sand and brick. Twenty-eight hundred feet of 30-inch standard sewer pipe for the spillway at the filter plant was purchased at \$2.21 per foot, when the prevailing prices bid on this purchase were \$2.28 to \$2.31.

Last October 300 tons of standard 8-inch, 86 pounds, pipe was purchased for the extension of water mains at \$27.40, when the prevailing price was \$30 the ton. There was a drop in pipe the latter part of December and 200 tons were purchased at \$26.40 the ton. This pipe has since fluctuated \$1.00, \$1.50 and \$2.00 the ton.

In October a car of pig lead was purchased for \$4.72½ per 100, when the prevailing price was \$5. The price now is \$5.25.

SYSTEM OF RECORDS.

After experimenting with a number of systems for the conduct of the affairs of this department in an intelligent and accurate manner, one was finally adopted which is simple, minimizes bookkeeping and which meets the needs of the department.

It has been accomplished by opening a purchase record journal in which are kept accounts against the various departments, placing opposite each entry the number of the official order issued at the time of the purchase.

When a requisition is received by this department from any other department and the purchase authorized, an official order is issued, which is signed by the Mayor and City Secretary. The number on this order is stamped on the original requisition. These requisitions are filed away.

Thus there are four checks on each item purchased—the entry in the record journal with the number of the

official order, the itemized and numbered requisition, the carbon copy of the requisition in the office of the department from which it is issued, and the carbon copy of the official order in the office of the Secretary.

It is thus possible to trace bills, even should the dealer lose the official order, which is frequently the case. By reference to the record journal or the requisitions the account may be verified, if correct, and turned down if not correct. In such cases, the dealer is sure his bill will be honored. Should it happen that an order so misplaced is found after bill has been paid and a new bill be presented, there is no likelihood of a duplicate payment for the reason that the order number has been stamped on the voucher.

This system, though simple, is a valuable adjunct to the comprehensive auditing system in the controller's office.

RECAPITULATION.

Feed saving, Street and Bridge, six months.....	\$ 556.00
Lumber saving, Street and Bridge, seven months.....	600.00
Feed saving, "stock account," seven months.....	460.00
Cement saving water, car lot.....	85.00
Gasoline, approximate total saving for all departments for seven months	125.00
Water pipe, 300 tons, saving \$2.60 the ton.....	780.00
Water pipe, 200 tons, saving \$2.00 the ton.....	400.00
Sewer pipe, 2,800 feet, saving 9c the foot.....	252.00
*Brookside coal, Fire and Police, seven months.....	80.00
Total	<u>\$3,338.00</u>

EXPENSE.

The total expense of maintaining this department, including salary, stationery and stamps for the seven months, was \$1,060.00.

The above figures have been computed from purchases where the saving was self-evident, and does not include the saving on lumber other than 3x8x20, the saving on tools,

*There has been a reduction in coal from \$11.00 per ton to \$10.50. The Fire Department has consumed approximately 150 tons and the Police Department 10 tons.

hardware, small pipe, fittings, electrical supplies, nails, picks, shovels and other sundries. To the above total saving might be added the saving on the car of pig lead—40,000, saving 28½ cents per hundred, or a total of \$114. This gives a total self-evident saving on purchases of \$3,452.00. It is safe to estimate that the saving on other items would total \$1,000.00. And it might not be improper to say that the fact that there is a central purchasing head in close touch with the Mayor and under his direction has tended to estop purchases, which, perhaps, would have been made in the absence of this deterrent system.

The results secured by the Purchasing Department are due in great measure to the co-operation and assistance of the heads and officials of the various departments. All departments are working harmoniously with this department. Department heads recognize the advantages and strictly business system of a central purchasing head. They feel that it is a relief to them, that the time they formerly devoted to the purchase of supplies can be utilized, and is utilized, to better advantage in the other work of their departments—that they can accomplish more for the city by devoting their time and thought to these other duties.

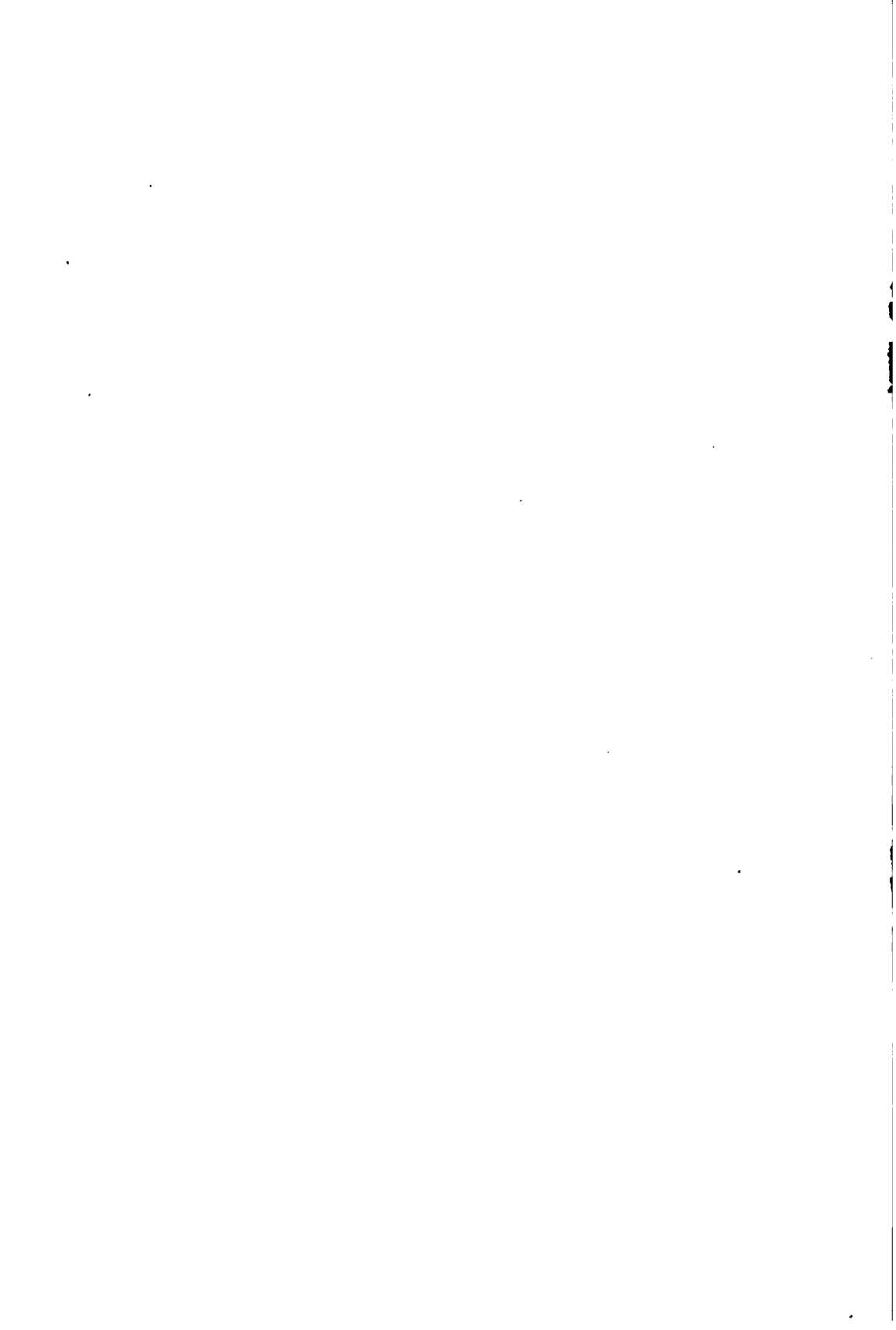
The business men of the city have also rendered valuable assistance to the head of the Purchasing Department. Information given by them as to condition of markets has been reliable, enabling this department to anticipate increases in prices. Business men have taken kindly to the competitive system. They recognize that it is up to them to make prices and deliver qualities and weights in the matter of securing city business.

All of which is respectfully submitted.,

PAT DOUGHERTY,
Purchasing Agent.

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Mayor's Annual Message

AND

Department Reports



For the Year
Ending
February
28, 1911



ANNUAL MESSAGE

—OF—

H. B. RICE,

MAYOR OF THE CITY OF HOUSTON

—AND—

ANNUAL REPORTS OF CITY OFFICIALS

FOR THE YEAR ENDING FEBRUARY 28, 1911

=====

COMPILED BY
DAN C. SMITH, JR.,
City Controller and Secretary.

HOUSTON, TEXAS:
W. H. COYLE & CO., STATIONERS AND PRINTERS,

1911



 	CITY OFFICIALS	 
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H. B. RICE.....*Mayor*
 J. Z. GASTON.....*Mayor pro tem*

COMMISSIONERS

J. Z. GASTON	JACK KENNEDY	ROBT. L. JONES
	W. J. KOHLHAUFF	

FINANCE AND REVENUE

J. Z. GASTON, *Chairman*

R. L. JONES	W. J. KOHLHAUFF	JACK KENNEDY
-------------	-----------------	--------------

WATER COMMITTEE

R. L. JONES, *Chairman*

J. Z. GASTON	JACK KENNEDY	W. J. KOHLHAUFF
--------------	--------------	-----------------

STREET AND BRIDGE COMMITTEE.

JACK KENNEDY, *Chairman*

W. J. KOHLHAUFF	ROBT. L. JONES	J. Z. GASTON
-----------------	----------------	--------------

FIRE COMMITTEE

W. J. KOHLHAUFF, *Chairman*

JACK KENNEDY	J. Z. GASTON	ROBT. L. JONES
--------------	--------------	----------------

ORDINANCE COMMITTEE

J. Z. GASTON, *Chairman*

JACK KENNEDY	ROBT. L. JONES
--------------	----------------

BOARD OF APPRAISEMENT

J. Z. GASTON, *Chairman*

W. J. KOHLHAUFF	JAS. P. WELSH
-----------------	---------------

Reuben L. ... City ... 1-15-19

HEADS OF DEPARTMENTS

T. C. DUNN (Active Vice-President Union National Bank)	Treasurer.
D. C. SMITH, JR.	Controllor and Secretary.
MISS ROBERTA COTTER.....	Assistant Secretary.
JNO. A. KIRLICKS.....	Judge of Corporation Court
W. H. WILSON.....	City Attorney.
J. E. NIDAY.....	Assistant City Attorney.
T. C. TARVER, JR.....	City Engineer.
FRANK L. DORMANT.....	Consulting and Constructing Engineer.
JAMES P. WELSH.....	Assessor and Collector.
DR. GEO. W. LARENDON.....	City Health Officer.
DR. F. J. SLATAPER.....	Bacteriologist.
JOHN B. WILLIAMS.....	Water Superintendent.
GEO. ELLIS	Chief of Police.
JNO. HEFFERNAN	Sewer Inspector.
W. X. NORRIS.....	Building Inspector.
PAT DOUGHERTY	Purchasing Agent.
F. J. OLLRE.....	Market Master.
C. R. GEORGE.....	City Electrician.
R. F. OLLRE.....	Chief Fire Department.
M. MURPHY	Wharf Master.
E. R. PARKER.....	Fire Marshal

BOARD OF LIQUIDATION.

F. A. REICHARDT	O. T. HOLT	ED. H. HARRELL
B. F. BONNER		H. W. GARROW

BOARD OF HEALTH

DR. JOE STUART, *President*

DR. W. A. ARCHER	DR. J. W. SCOTT
DR. SIDNEY J. SMITH.	
DR. J. D. DUCKETT	DR. S. H. HILLEN

BOARD OF SCHOOL TRUSTEES

RUFUS CAGE, *President.*

W. H. NORRIS, *Vice-President.*

A. S. CLEVELAND, *Secretary.*

G. H. PENDARVIS.

Finance Committee

G. H. PENDARVIS SAM SWINFORD W. H. NORRIS

Teachers' Committee.

A. S. CLEVELAND J. D. DUCKETT W. H. NORRIS

Course of Study and Text-Books.

S. MCNEILL A. S. CLEVELAND SAM SWINFORD

School Property, Purchase and Repairs.

W. H. NORRIS G. H. PENDARVIS S. MCNEILL

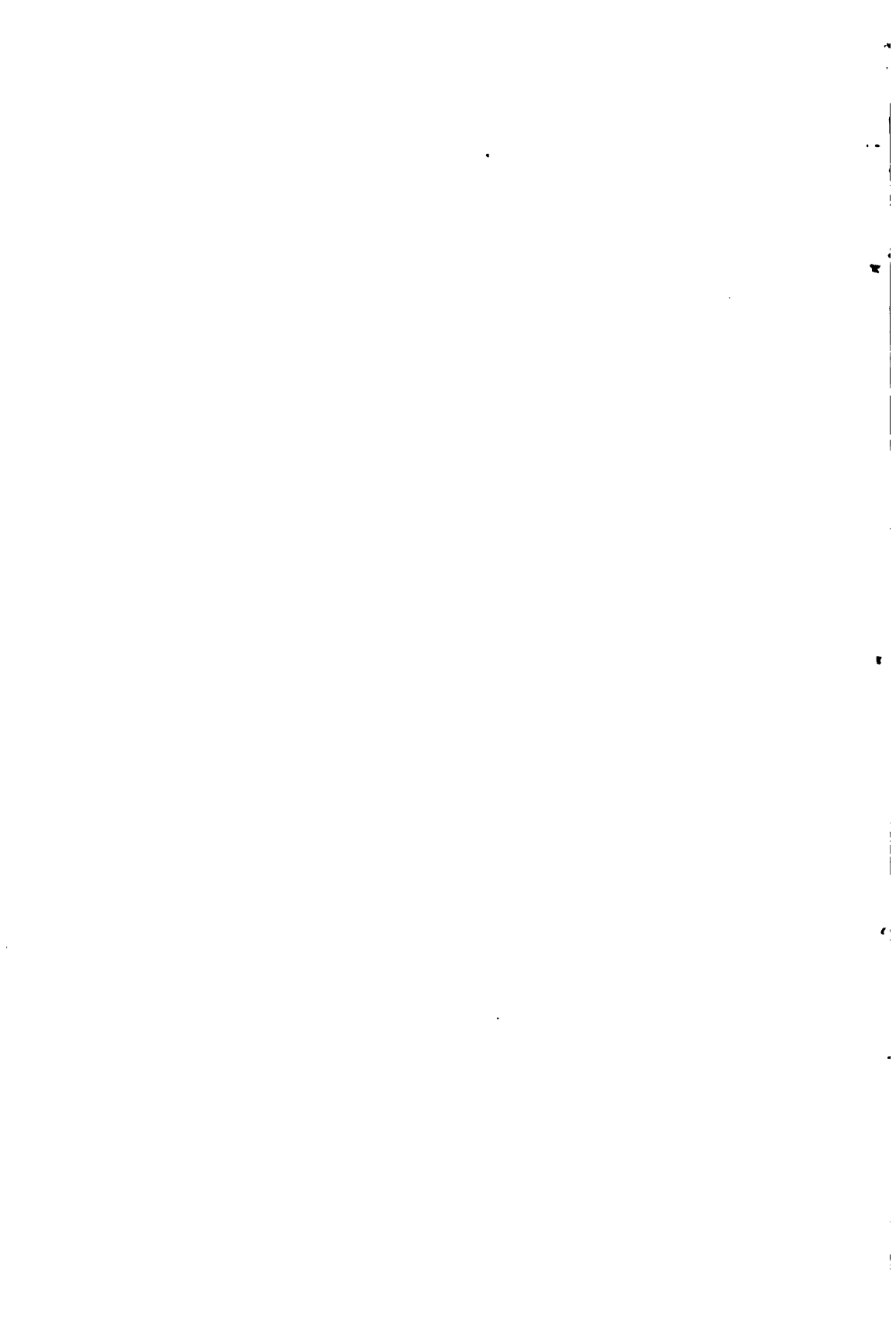
Hygiene

DR. J. D. DUCKETT G. H. PENDARVIS S. MCNEILL

Grievances and Complaints.

SAM SWINFORD J. D. DUCKETT A. S. CLEVELAND

W. PEINE, *Business Representative of the Board.*



ANNUAL MESSAGE

OF

H. B. RICE,

MAYOR OF THE CITY OF HOUSTON.

CITY OF HOUSTON

EXECUTIVE DEPARTMENT

MAYOR'S MESSAGE

HOUSTON, TEXAS, March 14, 1911.

To the Honorable City Council of the City of Houston:

GENTLEMEN:—I respectfully submit the annual reports of the different departments of the City of Houston, and the annual budget as required by the law.

The past year has been very propitious for Houston. Not only rapidly growing in population and taxable wealth, events have occurred, and long cherished ambitions attained, that undisputably means the building of a great city and the solid foundation of same. The greatest features are the joining hands with the National government in our waterway to the sea by a vote in this county which was almost unanimous; the voting of bonds for a magnificent viaduct connecting the north and south sides of the city; the completion of the great Austin Street storm sewer; the building of the City Auditorium; the reduction of water rates and the extension of the mains for the benefit of the people; the reduction of charges by public utility corporations and a participation of the city in their earnings; the building of the Interurban Railway to Galveston; and last, but not least, the enforcement of the law and the unanimous voice of our good people upholding same.

I congratulate the people upon their action in voting the bonds for our waterway. It means the successful termination of many years' long fight, and the demonstration to the National government that the people of Harris county

and of Houston have an absolute faith in this project, and are willing to place dollar for dollar with that of the government for its completion.

The viaduct will not only have a tendency to, but will actually wipe out all ward lines in this city, the very principle the Commission government is founded upon.

The great Austin Street storm sewer means that a large area of flat country will be thoroughly drained and no longer will the street cars be stopped on account of rainfall, however great.

WATER COMPANY.

From what I can see and learn, I believe the Water Company owned by the city is giving general satisfaction. The rates charged are low, and the quality of water unexcelled.

FIRE DEPARTMENT.

I desire to call your attention to the efficiency of our Fire Department. Many improvements have been added to this service and it ranks with any city of its size in the country.

STREETS AND BRIDGES.

On account of the topography of this city it requires a great expense to drain, build bridges and maintain the streets in good order. I call your attention to the Engineer's reports showing the many miles of paved streets constructed during the past year. We have tried to be fair and just to the various parts of the city and I do not exaggerate when I state that Houston is not only the best paved city in Texas, but the only one where the pavement costs individual citizens absolutely nothing.

During the coming year I recommend that the city be divided into sections, that so many paved streets be placed in charge of competent hands, and that we adopt the system employed by railroad companies in the maintenance of tracks, namely—offer a premium to that foreman that keeps his section or district in the best order.

SCHOOLS.

You will notice from the report of the Superintendent of Public Instruction how the scholastic population is increasing, and from the Controller's report of the increased cost of maintenance and salaries.

Houston needs more additional school room, more playgrounds for children, and if the people of this community desire to have such facilities they must help to provide means for same, as it is impossible with the rapid growth and influx of people to this city to purchase the ground and construct the needed improvements from the general revenues.

PARKS.

While Houston needs and should have more parks, I desire to call your attention to the purchase of Highland Park on the north side of the city, and the acquisition of sufficient territory along White Oak Bayou for both a beautiful driveway and park system. When finished this will not only be a blessing to those citizens in that locality, but a pleasure to everyone.

AUDITORIUM.

There has been some adverse criticism concerning the construction of the new Auditorium; that we should not have taken the city's revenues and invested them in this manner. In my opinion, not only will the Auditorium be a great help and convenience to our people, but it will prove to be one of our greatest assets in the race for commercial supremacy, and the means of effectively eradicating an objectionable part of the city and making it one of the most desirable and substantial.

PUBLIC SERVICE DEPARTMENT.

In order to cause a better feeling between the people and the public service corporations, and to facilitate matters generally, I recommend that you create a "Public Service Department," where the complaints of the people can be promptly heard and adjusted.

POLICE.

During the past year, at different times, there has arisen sharp criticism of the police force, on account of crime committed in this city, and as I am the head of this department, I have been censured by some. All crime is deplorable, and no police force is perfect. Whenever I can find any weakness in this or any other department, I shall weed it out; but I want to serve notice in this, my annual message, that I not only stand for law and order, that I am not only going to enforce the law, but that the "gun toter" and perjured criminal witness in this city are going to be eradicated, if I have to call upon every law-abiding citizen in the community to assist me.

We have a fine District Judge and District Attorney; they are striving to perform their duty, and they should have the support of the citizens when they serve upon the juries.

PERMANENT IMPROVEMENTS.

I want to call your attention to the fact that owing to the many permanent improvements constructed during the past year, over one-half of a million dollars, that we go into the new fiscal year with a deficit. Therefore, I suggest to you that each and every department be as economical as possible for the next twelve months, in order to abolish same. I submit the budget, which is larger than the one just passed, the schools alone requiring \$40,000.00 for increased maintenance.

TAXES.

I recommend that the tax levy for the ensuing year be placed at \$1.70 per hundred dollars.

BUDGET.

Annual budget for the different departments is respectfully submitted:

Mayor and Commissioners.....	\$ 13,600.00
Controller and Secretary.....	7,500.00
Law Department	12,000.00
Treasurer	620.00
Assessor and Collector.....	15,000.00
City Hall	4,000.00
Elections	1,000.00
Damages	1,000.00
Interest on Bonds.....	240,000.00
Sinking Fund	120,000.00
Miscellaneous Expenses	15,000.00
Electric Lights	50,000.00
Police	100,000.00
Corporation Court	2,000.00
Fire Department	100,000.00
Health Department	20,000.00
Scavenger Department	13,000.00
Electrical Department	7,000.00
City Engineer	17,000.00
Streets and Bridges.....	90,000.00
Sewer Department	25,000.00
Garbage Department	16,000.00
Market	7,000.00
Schools	180,000.00
Parks	10,000.00
Carnegie Library	9,500.00
Refunding Certificates	21,000.00
Buffalo Bayou	20,000.00
Mayor's Emergency Fund.....	1,000.00

WATER DEPARTMENT.

I recommend that the annual budget for the Water Department be made as follows:

General Expenses	\$ 80,000.00
Interest	55,000.00
Sinking Fund	28,000.00
Total	<u>\$163,000.00</u>

Very respectfully,

H. B. RICE,
Mayor.

ANNUAL REPORT

OF

J. Z. GASTON,

***CHAIRMAN FINANCE AND REVENUE
COMMITTEE,***

For the Year Ending February 28, 1911.

REPORT OF FINANCE AND REVENUE COMMITTEE.

HOUSTON, TEXAS, March 12, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—We herewith submit the annual report of the Finance and Revenue Committee for the year ending February 28, 1911, together with the reports of the departments under the supervision of this committee, and for full details refer you to those reports. All the departments have been harmonious and have worked together for the best interest of the city.

The condensed result of the year's work, as evidenced in detail by the Controller's books, show general revenues to have been in excess of operating and maintenance expense by \$312,529.54. There was expended during the year from general revenues for permanent improvements, \$513,558.41. Controller's Report, Exhibit B—Schedule No. 5, is an itemized statement of this disbursement. In addition to this, all of the outstanding Storrie certificates were taken up, amounting to \$10,300.00; also refunding paving certificates to the amount of \$21,869.31.

While the School Fund shows an overdraft of \$72,745.00, this is offset by the indebtedness of the State of Texas to the School Fund for a like amount. In fact this amount is simply an advance by the bank on the State certificate of indebtedness in favor of the Houston School District.

The interest on the Water Department bonds, which amounts to \$54,220.00 per annum, having been paid out of the General Fund (with the exception of \$19,300.00), a balance of \$34,920.00 is due the General Fund by the Water Department.

The Controller's report shows available assets amounting to \$499,974.54, against current liabilities of \$221,888.91, which, in view of the large expenditures for permanent improvements, is an excellent showing.

MARKET.

The stall renters in the market show commendable pride in keeping their places in a neat and attractive manner and render the city all the assistance in their power to keep same in a sanitary condition, and nothing but the most pleasant relations exist between them and the city. The revenues for the year from rent of stalls and privileges amounts to \$19,631.20, and the expense of operation and repairs were \$8,540.47, leaving a net balance of \$11,090.73.

HOUSTON LYCEUM AND CARNEGIE LIBRARY.

The report of Miss Ideson, hereto attached, shows that this institution is appreciated by our people and is growing substantially and rapidly as one of Houston's substantial institutions.

PARKS.

The city now has five parks, to-wit: Sam Houston Park and Annex, 29 acres; Cleveland Park, 56 acres; Elizabeth Baldwin Park, 2½ acres; Highland Park, 26 acres; and valuable improvements bought this year for \$18,000.00; and the block of ground in the Second Ward donated by our progressive citizen, Mr. J. J. Settegast. These parks are visited all the year round by throngs of people, and during the summer months band concerts at Sam Houston Park have been enjoyed by our parents and children, alike throwing aside cares and drinking in sweet strains of music. These concerts should by all means be kept up, and under the head of recommendations your committee is suggesting a larger appropriation for 1911 for this purpose.

EXPENSE OF PARKS.

The budget allowance for maintenance and music for the past year was \$9,000.00. The expenses were as follows:

Sam Houston Park, maintenance.....	\$4,678.00
Sam Houston Park, band concerts.....	4,100.00
Cleveland Park, maintenance.....	866.39
Total expenditures	\$9,644.39

REVENUE FROM PARKS.

The revenues from the parks were as follows:

Sam Houston	\$337.50
Cleveland	394.90
Total revenues	\$732.40

This shows net expenses of operating the parks of \$8,911.99, showing an outlay of \$88.01 less than the budget allowance for operating the parks.

BUDGET.

We recommend the following budget allowance for operating the departments of this committee for 1911:

Treasurer	\$ 620.00
City Hall	4,000.00
Assessor and Collector.....	15,000.00
Market	7,000.00
Controller and Secretary.....	7,500.00
Sam Houston Park.....	5,000.00
Cleveland Park	900.00
Park Concerts	5,000.00
Carnegie Library	10,000.00

Respectfully submitted,

J. Z. GASTON,

Chairman Finance and Revenue Committee.





ANNUAL REPORT

OF

R. L. JONES,

CHAIRMAN WATER COMMITTEE,

For the Year Ending February 28, 1911.

REPORT OF WATER COMMITTEE.

HOUSTON, TEXAS, March 1, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—As Chairman of the Water Committee, I herewith respectfully render the annual report of the Water Department for the fiscal year ending February 28, 1911.

You will find hereto attached the reports of the Superintendent and Chief Engineer, designated as Exhibits "A" and "B" respectively. These reports cover all the transactions of this department for the past year.

The year just closed has been an uneventful one in the Water Department. While the entire State was suffering from the worst drouth that has been experienced in years, this city had at all times an abundant supply of pure water.

The forty-four wells we have been pumping from have a capacity estimated at fourteen million gallons per day, which has been increased twenty-one hundred thousand gallons, by making repairs on three wells that had fallen into disuse for the past six years, making a total available supply of sixteen million gallons per day, with an average consumption of less than one-half that amount.

The repairs consisted mainly in putting in new strainers of modern pattern, at a cost of \$2,300.00. We have also overhauled and put in first-class condition both Worthington pumping engines, numbered respectively 330 and 764, giving the department a perfect duplicate pumping plant. We are now prepared to pump twenty-eight million gallons of water per day, and with the three million-gallon pumps (which are in good condition, although very near obsolete) we could increase our pumpage to thirty-one million gallons daily.

The bayou suction has been repaired and put in first-class order, and in case of a large conflagration, could be turned into the system within three minutes' time.

The electric power plant, used for lighting purposes, has been replaced with a new 83-ampere Allis-Chalmers dynamo, and all buildings have been re-wired in the latest improved form. This will last for a number of years.

The system of metering has grown more popular with the consumers and beneficial to the department in correcting mistakes and preventing waste.

With 2,912 meters installed during the past year, and 1,641 in service March 1, 1910, making a total of 4,553, will make about 61 per cent meter rates and about 39 per cent flat rates in vogue. I would recommend the purchase, as early as possible, of enough meters to abolish the flat rates entirely, as it has been clearly demonstrated since the installation of meters on all, and especially the large plants, that the pumpage has decreased from ten and one-half to six and one-half million gallons per day. Although our meter rate was reduced from thirty cents per thousand gallons (which rate had prevailed from the time of municipal ownership to January 1, 1910), to the remarkably low rate of fifteen cents per thousand gallons, and an increase in the number of consumers, the revenue will show a slight increase over last year.

The expenditures for the year show a very material decrease as compared with previous years. This is largely due to the improvement in machinery, which has reduced the fuel account about 26 per cent; and the introduction of meters has stopped the waste caused by leakage and reduced the pumpage to 7,800,000 gallons per day, which is a decrease of nearly four million gallons as against the same period last year.

The greatest trouble we have with the water is sand—so fine and white it is scarcely discernable. It has a very severe effect on the pumping machinery and meters, cutting the working parts and making the up-keep of the department very expensive. It would be advisable to build two

large settling basins with a capacity of ten million gallons each, or about four days supply, giving each basin twenty-four hours settling.

Owing to the rapid growth of the city, and anticipation of a still greater growth, this department will have to make large improvements to meet the demands that will necessarily follow. In this connection I recommend the extension of mains on all the principal thoroughfares leading out to the extreme city limits, and by making cross connecting lines as rapidly as our revenues will permit, thereby establishing a perfect net work of water mains that will enable every citizen to have the advantage of the water system.

In order to relieve the congested traffic existing on Fannin Street between Congress and Preston Avenues, it would be advisable to confer with the county officials and endeavor to have them remove the water troughs from that point to San Jacinto Street, where there is no street car service to interfere. I recommend that the city take some steps to place watering troughs in various parts of the city, in order to divert a portion of this.

On account of the increased business of this department, it became necessary to enlarge the office space. This was accomplished by removing from the room in the south end of the City Hall building to the spacious room on the west side formerly known as the "Assembly Hall," where we are now located.

The old style of bookkeeping has been abolished and a new system established, which has proved more satisfactory to both consumers and the department. Our present system is considered as near perfect as any in use in this city.

The store room and repair shop are entirely too small for the service they were intended for. I think it would be economy to tear down the old pipe shed and small iron-clad building and erect a substantial brick building in their place, large enough to accommodate all of our needs.

The oil tank used as a reservoir for fuel oil being above ground is considered a menace to the plant by insurance experts and should be placed below the ground in a concrete cellar.

The city owns sixteen acres of ground bordering on Buffalo Bayou, which would make a beautiful park, and could be connected with Sam Houston Park. I recommend that \$5,000.00 be appropriated for beautifying this ground and painting the buildings.

On behalf of the Water Department and myself, I take this opportunity to extend thanks to you and my fellow Commissioners, and to the heads of the several municipal departments for the encouraging co-operation and courtesies received during the past year, without which it would hardly have been possible to have brought up and maintained the Water Department to its present efficiency.

Respectfully submitted,

ROBT. L. JONES,
Water Commissioner.

HOUSTON, TEXAS, March 1, 1911.

HON. ROBERT L. JONES,
Chairman of the Water Committee, City of Houston.

DEAR SIR:—I beg to submit herewith my annual report on the operation and condition of the Water Department for the fiscal year ending February 28, 1911.

I wish to invite your attention to the conspicuous features embodied in this report, entitled meters, revenue and expense, and to recommendations relating to continuous installation of meters, erection of new buildings and the laying of laterals. I also wish to call your particular attention to the fact of decreased pumpage, with attendant decreased oil consumption. At the beginning of the fiscal year just ended the daily average pumpage was 8,760,000 gallons, and at this time the department is supplying 12% more consumers and the daily average pumpage is only 7,800,000 gallons. It must be borne well in mind that this saving in pure water is not occasioned because of enforced niggardly economy upon our consumers, which necessitated their deprivation of water for healthful purposes, but is attributed to the fact that waste has been systematically eliminated.

The rapid installation of meters which has been in vogue during the year has unquestionably done more to prevent waste and educate the consuming public to the normal use of water, while incidentally apprising them of the needless and shameful misuse of city water, which has been the universal habit heretofore, than any other known cause. Whatever aversion to meters which has in the past prevailed is now being minimized, because the liberal-minded water users, witnessing the dire effects that our unmetred cities have undergone in the past, now fully realize that only through co-operation with this department can they be assured an adequate supply of pure water for present and future use.

You will find as a part of this report a comparative statement of revenue and expense as compared with the previous fiscal year. We may point with commendable pride to this sheet, as it will be observed that our net operating expenses has been decreased \$11,761.58 over last year, while our revenue has increased \$14,576.13, notwithstanding that, without issuing bonds for the purpose, we have laid 3.2 miles of new mains and supplied hundreds of families with water for domestic and fire service, which have not been accorded this convenience in the past.

The physical condition of the plant and system was never in such standard form. The pumping machinery has been thoroughly overhauled and is now without exception in a state of perfect mechanical efficiency. New electric light machinery was installed at the pumping station, replacing the old electric plant, which had been in service for years and whose capacity was not such as to furnish the requisite number of lights required. The new dynamo is of sufficient power to meet the needs of this pumping station for years in the future.

RECOMMENDATIONS.

In view of the fact that the various schools, parks, fire stations, city stables, etc., throughout the city are not very conscientious in the use of water furnished by the Water Department; and further, that in the past we have borne

the expense of supplying this service for which we have not received credit, which must be conceded is both unfair and unjust, I would earnestly suggest that, commencing as early as possible, meters be placed upon all service connections supplying the above properties, and each month after meters have been read and consumption computed, they be charged actual cost of production. If this policy is incorporated I feel safe in predicting that the revenue will increase 5% the first year.

Referring to that territory where mains are now located from three to five blocks apart, and intervening area wherein residents are not accorded the convenience of water service unless they go to considerable expense to lay private pipe from the street where main is to their property, I recommend that three or four-inch laterals be laid along each street not otherwise supplied and connected to the large mains. This, of course, applies to only those districts where water is desired for domestic purposes only. The plan will obviate the expense of laying mains as close as has been the policy in the past, and will, at the same time, furnish service for household utilities and meet all other requirements of this nature. Fire hydrants located on the mains will give ample protection in the event of fires, as the buildings located in this district will be close enough to be benefited by these hydrants. I think it advisable to lay all mains in the future, where conditions do not compel other action, with this end in view.

As a part of this report shown as Exhibit "A", please find detailed figures of the operation and maintenance of this department for the year ended February 28, 1911.

Respectfully,

JNO. B. WILLIAMS,
Superintendent.

EXHIBIT "A."
Report of the Superintendent.

Construction.

MAINS.

During the year 16,783 lineal feet of new mains were laid, at a cost of \$19,330.45. Twenty-seven gate valves were set on these lines, making a total now in use of 1,008. The system now comprises 97.8 miles of pipe.

FIRE PROTECTION.

There was connected to the new mains 26 triple nozzle fire hydrants, bringing the total now in service to 842. These hydrants were set at a distance of 600 feet apart.

METERS.

Thirty-six hundred and eighty-six meters were purchased during the year, and 3,050 installed. Together with the obsolete and damaged meters, we have 948 on hand. Tables explaining the status of the Meter Department in detail are shown on another page of this report. The average cost of setting has been reduced from \$5.60 to \$2.30 for the smaller meters. This is accredited to the systematic and continued setting thereof.

SERVICE CONNECTIONS.

Since the first day of March, 1910, 628 service connections were made, ranging in size from three-fourth inch to six-inch. This brings the total number of connections now in use to 7,354.

Repairs.

MAINS.

The total sum of \$4,582.54 was expended in repairing broken mains, fire hydrants and stop gates during the year just ended. Much of this amount was spent because of electrolysis. However, the Houston Electric Company is endeavoring to control their electric current so that it will not

come in contact with our mains; whether they will be successful remains to be seen. There are quite a number of mains which are damaged by electrolysis, but which have not yet shown signs of weakening under the pressure they carry. This pipe will eventually have to be relaid. Much money and annoyance may be saved if electrolysis can be obliterated from the cost of maintaining our mains, and if the drivers of street sprinklers were forbidden to use the fire hydrants to obtain water to fill their tanks. Seventy-five per cent of the repairs to hydrants is traceable to the careless and indifferent use which employes of the city, which ordinarily should not be permitted to obtain water from this source, have in the past and are now handling these hydrants. Risers should be placed at convenient corners, and all water for street sprinkling and street flushing should be secured from these only.

BUILDINGS AND MACHINERY.

No repairs of any importance have been made to buildings, because of the contemplated erection of brick structures to take their places, which action is proposed in the near future.

The old Worthington pumps were thoroughly overhauled this year, and are now in a state of high mechanical efficiency. With these pumps in the working condition as they are today, the mechanical capacity is far above the demand. Much miscellaneous work has been done at the pumping station, such as repairing suction pipes, re-caulking lead joints, building retaining walls, etc., all of which has tended for the betterment of the plant.

METERS.

The Meter Department is still being caused considerable annoyance and expense in cleaning meters because of the sand which is circulated through the mains. By far the greater percentage of meter repairs is laid to the fact that this sand, becoming stirred into action after a fire in the immediate neighborhood, or to the temporary increased water pressure on the mains, flows into the meter with the

water, with the result that the measuring chamber becomes so packed that the disk is prevented from nutating. This does not effect the meter itself, yet it does require that each meter so effected be given individual attention. The proposed settling basins at the pumping station will eliminate all trouble of this nature.

SERVICE CONNECTIONS.

Repairs to service connections have diminished to some extent over last year, yet quite a number were repaired because of electrolysis. However, it is gratifying to note that trouble from this source is now decreasing, although there are many connections which are carbonated at this time, but which have shown no signs of weakening. Repairs to curb-cocks are still numerous, despite our efforts to prevent persons not authorized from tampering with them.

PUMPAGE.

Following is a table showing average per capita pumpage from 1906 to date. The moral effect that meters are having upon this item is apparent. It is interesting to observe that our maximum pumpage was 9,633,660 gallons daily, and our minimum pumpage was 4,981,490 gallons. At this date the daily pumpage still remains near the last figures.

Year.	Population.	Daily per capita consumption.
1906.....	71,000	155.0
1907.....	78,000	130.0
1908.....	82,000	110.0
1909.....	90,000	100.0
1910.....	100,000	85.0
1911.....	120,000	65.0

TABLE No. 1.

Meters Owned by the City.

Sizes.	½-in.	¾-in.	1-in.	1½-in.	2-in.	3-in.	4-in.	6-in.	8-in.	Total
Owned previous to Feb. 23, 1910..	785	617	335	73	0	0	0	0	0	1918
Bought during year.	2408	1087	135	2	18	16	16	3	1	3686
Rec'd in exchange..	10	0	0	0	0	0	0	0	0	10
Totals.....	3203	1704	470	110	91	16	16	3	1	5614
Returned, exchanged	10	0	0	0	0	0	0	0	0	10
Totals.....	3193	1704	470	110	91	16	16	3	1	....
Owned by City Feb. 23, 1911 ...	3193	1704	470	110	91	16	16	3	1	5604

TABLE No. 2.
Number of Meters Set Monthly, 1910-11.

Month.	No. Set.	No. Taken Out.	Net Gain.
March	85	18	67
April	11	13	Loss 2
May	72	11	61
June	84	..	70
July	207	21	186
August	160	15	145
September	340	9	331
October	487	7	480
November	678	12	666
December	469	5	464
January	284	9	275
February	173	4	169
Totals	3050	138	2912

TABLE No. 3.
Sizes of City Meters in Service.

Sizes.	½-in.	¾-in.	1-in.	1½-in.	2-in.	3-in.	4-in.	6-in.	8-in.	Total
In use Feb. 28, 1910.	720	539	240	89	53	0	0	0	0	1641
Set during 1910-11, new	1981	880	135	17	18	9	6	3	1	3050
Set in exchange....	170	232	70	7	5	0	0	0	0	484
Totals.....	2871	1651	445	113	76	9	6	3	1	5175
Sizes.	½-in.	¾-in.	1-in.	1½-in.	2-in.	3-in.	4-in.	6-in.	8-in.	Total
Taken out, discon- tinued	45	48	19	12	10	0	1	0	0	135
Taken out, exchange	240	156	68	16	4	0	0	0	0	484
Totals.....	285	204	87	28	14	0	1	0	0	619
In service Feb. 28, 1911	2586	1447	358	85	62	9	5	3	1	4556

TABLE No. 4.
City Meters on Hand (Not in Service).

Sizes.	½-in.	¾-in.	1-in.	1½-in.	2-in.	3-in.	4-in.	6-in.	8-in.	Total
Old	122	124	27	21	18	0	0	0	0	312
New	404	131	65	2	12	10	12	0	0	636
Totals.....	526	255	92	23	30	10	12	0	0	948

TABLE No. 5.
Private Meters.

Sizes.	½-in.	¾-in.	1-in.	1½-in.	2-in.	3-in.	4-in.	6-in.	8-in.	Total
In use Feb. 28, 1910.	4	1	0	3	9	1	1	1	0	20
Set during the year.	0	9	0	0	0	2	1	4	0	16
Totals.....	4	10	0	3	9	3	2	5	0	36
Taken out	0	0	0	0	2	0	0	0	0	2
In use Feb. 28, 1911.	4	10	0	3	7	3	2	5	0	34

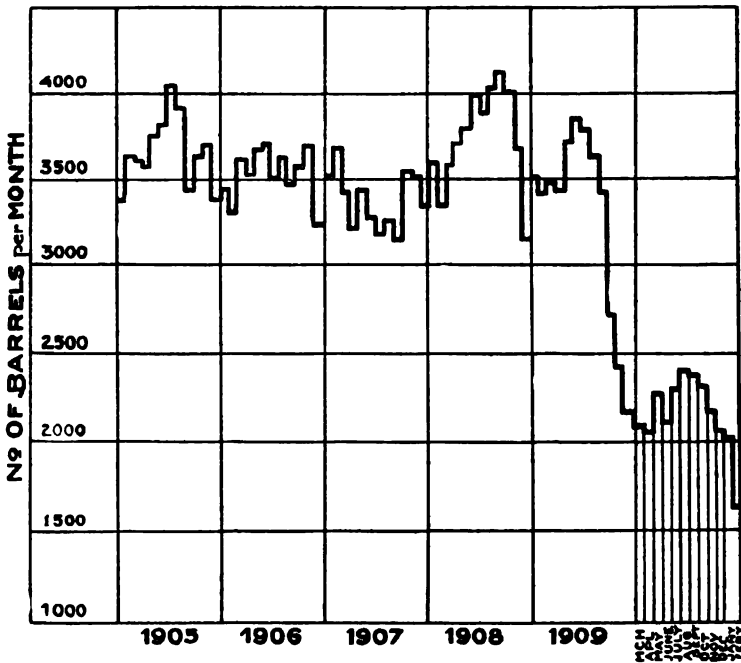
TABLE No. 6.
Cost of Setting.

Size	Number Set	Cost of Meter	Average Cost of Setting	Total Average Cost	Total Cost of Setting	Total Cost
½-inch.....	1981	\$ 8.00	\$ 2.50	\$ 10.50	\$4,952.50	\$20,700.50
¾-inch.....	880	10.00	2.55	12.55	2,244.00	11,044.00
1-inch.....	135	16.00	2.80	18.80	378.00	2,538.00
1½-inch.....	17	22.00	2.90	24.90	49.30	423.30
2-inch.....	18	45.00	4.10	49.10	73.80	863.80
3-inch.....	9	80.00	7.00	87.00	63.00	783.00
4-inch.....	6	160.00	11.80	171.80	70.80	1,030.80
6-inch.....	3	350.00	67.50	417.50	202.55	1,252.50
8-inch.....	1	600.00	61.50	661.50	61.50	661.50
Totals..	3050				\$8,095.45	\$39,297.40

RECAPITULATION.

Number of meters owned by city.....5604
 Number of private meters..... 34
 Total number of all meters.....5638

MONTHLY FUEL OIL CONSUMPTION—1910



JNO B. WILLIAMS
Supt.

ROBT. L. JONES
WATER COMMISSIONER

COMPARATIVE STATEMENT

Of Revenue, Expense and Unexpended Appropriation for the 12 Months Ended February 28, 1910, and February 28, 1911.

	1911:	1910.	Increase.
Net revenue	\$224,239.10	\$209,662.97	\$14,576.13
Outstanding accounts	48,598.23	40,898.92	7,699.31

	EXPENSE.		Increase
	1911.	1910.	or Decrease
A. Salaries and operation.....	\$ 14,034.50	\$ 12,736.36	\$ 1,298.14
B. Fuel oil	25,538.99	36,654.13	*11,115.14
C. Lub. oil, waste and packing....	1,273.20	1,387.49	* 114.29
D. Machinery repairs	2,462.61	3,002.28	* 539.67
E. Building repairs	370.89	4,442.20	* 4,071.31
F. Other expense, plant.....	3,843.39	1,326.27	2,517.12
G. Office salaries	11,335.00	9,971.45	1,363.55
H. Main repairs	4,592.54	7,182.59	* 2,590.05
I. Service repairs	4,198.37	7,788.85	* 3,590.48
J. Office expense, other.....	2,683.36	2,039.54	643.82
K. Live stock, replace't and keep..	1,166.74	.....	1,166.74
L. Meter repairs	3,269.99	.....	3,269.99
Bond interest	54,220.00	.....	54,220.00

Total	\$128,989.58	\$ 86,531.16	\$42,458.42
Decrease in operating expense (exclusive of bond interest), compared with 1910.....	\$ 74,769.59	\$ 86,531.16	*\$11,761.58
Extraordinary expense	88,594.91	81,142.99	7,451.92

APPROPRIATION.

For bond interest.....	\$55,000.00	
For operation	80,000.00	\$135,000.00
Total expended		128,898.58
Unexpended		\$ 6,101.42

PUMPING STATISTICS.

- (1) Builders of machinery—Worthington, Ingersoll-Rand, Nordberg and Hooker.
 - (2) Fuel—Fuel oil.
 - (3) Oil consumed for year—27,038.16 barrels.
 - (4) Total pumpage for the year, with slippage—2,859,091,610 gallons.
 - (5) Static head against which pumps work—138.0 feet.
 - (6) Dynamic head against which pumps work—30.0 feet.
 - (7) Average gallons of water pumped per barrel of oil—105,744 gallons.
 - (8) Cost of pumpage, figured on current expenses—\$128,871.61.
 - (9) Cost per million gallons—\$45.07.
 - (10) Maximum daily pumpage—9,633,660 gallons.
 - (11) Minimum daily pumpage—4,981,490 gallons.
- Net cost of works to date—\$1,300,140.35.
 Bonded debt to date—\$1,001,000.00.
 Average rate of interest—5.416%.

* Decrease.

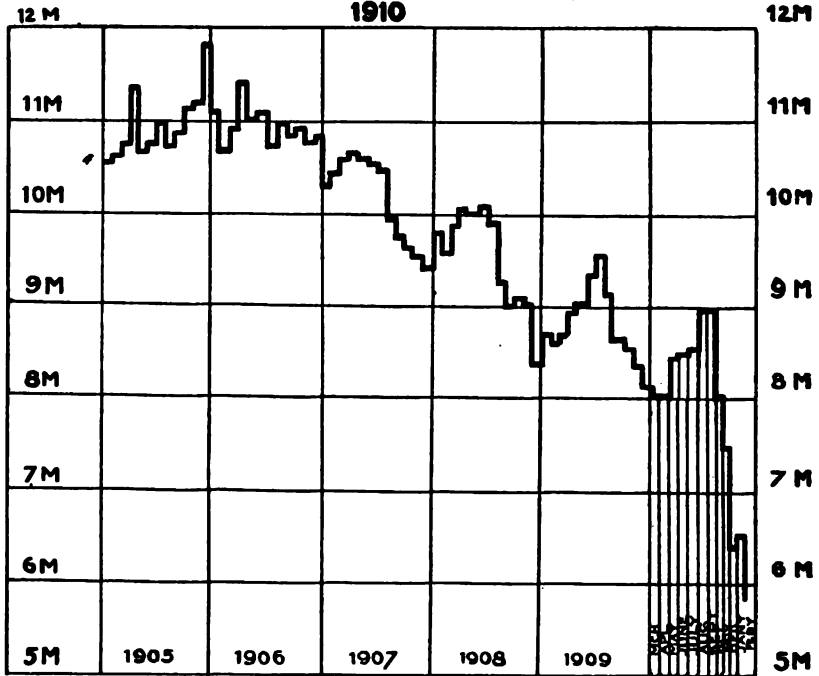
Mains. Statistics Relating to Distribution System.

- (1) Kind of pipe—Cast iron.
- (2) Sizes—4 to 24 inches.
- (3) Extended during year—16,783 lineal feet.
- (4) Discontinued—950 lineal feet.
- (5) Total now in use—97.8 miles.
- (6) Cost of repairs, per mile—\$4.51.
- (7) Number of fire hydrants added during year—26.
- (8) Number of fire hydrants now in use—842.
- (9) Number of stop gates added during year—27.
- (10) Number of stop gates now in use—1008.
- (11) Number of blow offs—2.
- (12) Range of pressure on mains—22 to 50 pounds.

Services.

- (1) Kind of pipe—Lead, galvanized iron and cast iron.
- (2) Sizes— $\frac{1}{2}$ -inch to 6-inch.
- (3) Extended during year—12,682 lineal feet.
- (4) Discontinued—2080 feet.
- (5) Total now in use—151,848 lineal feet.
- (6) Average length of each service—21 feet.
- (7) Average cost—\$15.85.
- (8) Number added during the year—628.
- (9) Number now in use—7354.
- (10) Percentage of services metered—61%.
- (11) Percentage of receipts from metered water—49%.

DAILY CONSUMPTION



JNO B. WILLIAMS
SUPT.

ROBT L. JONES
WATER COMMISSIONER

EXHIBIT "B."

Report of Chief Engineer.

HOUSTON, TEXAS, March 1, 1911.

MR. ROBERT L. JONES,

Water Commissioner, City of Houston.

DEAR SIR:—I respectfully submit to you my annual report, showing the operation and present condition of the water plant for the fiscal year ending February 28, 1911.

During the past year the pumping machinery has been thoroughly overhauled and is now in first-class mechanical condition. No further anxiety may be felt in this regard in the future. New electric light machinery was installed, giving ample power for all lights which may be needed in the future. Many miscellaneous repairs have been made, which have been duly reported.

Below you will find report of pumpage and fuel oil consumption, by months, from March 1, 1910, to February 28, 1911.

PUMPAGE AND FUEL OIL.

	MARCH, 1910.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	243,702,480		
Amount of water pumped by Engine No. 764....	2,263,680		
Amount of water pumped by Engine No. 330....	1,326,080		
Total water pumped.....			247,292,240
Average water pumped per day.....	7,977,169		
Average pressure at pumps.....		57 pounds.	
Average suction lift.....		6 feet.	
<i>Fuel Oil—</i>			Barrels.
7 cars of fuel oil received this month, amounting to.....			2,130
Amount of oil in storage March 1, 1910.....			2,238
Amount of oil in storage April 1, 1910.....			2,294
Amount of oil burned during March.....			2,074
Average amount of oil burned per day.....			66.90
	APRIL, 1910.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	235,378,320		
Amount of water pumped by Engine No. 764....	3,041,820		
Amount of water pumped by Engine No. 330....	1,582,080		
Total water pumped.....			240,002,220
Average pumped per day.....	8,000,074		
Average pressure.....		56 pounds	
Average suction lift.....		6 feet	

<i>Fuel Oil—</i>	Barrels.
7 cars fuel oil received this month, amounting to.....	2,083.62
Amount of fuel oil in storage April 1st, 1910.....	2,294
Amount of fuel oil in storage May 1st, 1910.....	2,350
Amount of fuel oil consumed for month.....	2,027
Amount of fuel oil consumed per day.....	67.56

	MAY, 1910.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	260,640,600		
Amount of water pumped by Engine No. 764....	704,780		
Amount of water pumped by Engine No. 330....	483,840		
Total water pumped.....			261,829,220
Average per day.....	8,446,104		
Average pressure		56 pounds	
Average suction lift.....		6 feet	

<i>Fuel Oil—</i>	Barrels.
8 cars of fuel oil received this month, amounting to.....	2,415
Amount of oil in storage May 1st, 1910.....	2,350
Amount of oil in storage June 1st, 1910.....	2,266
Amount of oil consumed for month.....	2,550
Amount of oil consumed per day.....	82.26

	JUNE, 1910.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	247,345,310		
Amount of water pumped by Engine No. 764....	5,371,000		
Amount of water pumped by Engine No. 330....	2,726,000		
Total water pumped.....			255,442,710
Average per day.....	8,514,757		
Average pressure		56 pounds	
Average suction lift.....		5½ feet	

<i>Fuel Oil—</i>	Barrels.
Received 5 cars of fuel oil this month, amounting to.....	2,416.61
Amount of oil in storage June 1st, 1910.....	2,266
Amount of oil in storage July 1st, 1910.....	2,405
Amount of oil burned this month.....	2,277.61
Average amount burned per day.....	76

	JULY, 1910.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	257,203,230		
Amount of water pumped by Engine No. 764....	5,428,640		
Amount of water pumped by Engine No. 330....	2,401,280		
Total water pumped.....			265,033,150
Average per day.....	8,549,456		
Average pressure		57 pounds	
Average suction lift.....		6 feet	

<i>Fuel Oil—</i>		Barrels.
8 cars fuel oil received this month, amounting to.....		2,263.90
Amount of oil in stock July 1st, 1910.....		2,405
Amount of oil in stock August 1st, 1910.....		2,154
Amount of oil consumed this month.....		2,514.90
Amount of oil consumed per day.....		81

	AUGUST, 1910.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	280,154,020		
Amount of water pumped by Engine No. 764....	1,338,820		
Amount of water pumped by Engine No. 330....	550,400		
			<hr/>
Total water pumped.....			282,043,240
Average per day.....	9,098,169		
Average pressure		55 pounds	
Average suction lift.....		8.25 feet	

<i>Fuel Oil—</i>		Barrels.
6 cars fuel oil received this month, amounting to.....		1,796.88
Amount of oil in storage August 1st, 1910.....		2,154
Amount of oil in storage September 1st, 1910.....		1,329
Amount of oil consumed this month.....		2,621.88
Amount of oil consumed per day.....		84.58

	SEPTEMBER, 1910.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	265,812,840		
Amount of water pumped by Engine No. 764....	3,309,060		
Amount of water pumped by Engine No. 330....	952,320		
			<hr/>
Total water pumped.....			270,074,220
Average per day.....	9,002,474		
Average pressure		55 pounds	
Average suction lift.....		6 feet	

<i>Fuel Oil—</i>		Barrels.
10 cars fuel oil received this month, amounting to.....		2,796.78
Amount of oil in storage September 1st, 1910.....		1,329
Amount of oil in storage October 1st, 1910.....		1,566.66
Amount of oil consumed this month.....		2,559.12
Amount of oil consumed per day.....		85.30

	OCTOBER, 1910.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	233,508,800		
Amount of water pumped by Engine No. 764....	10,935,960		
Amount of water pumped by Engine No. 330....	5,407,020		
			<hr/>
Total water pumped.....			249,851,780
Average per day.....	8,059,735		
Average pressure		56 pounds	
Average suction lift.....		8.25 feet	

<i>Fuel Oil</i> —	Barrels.
9 cars fuel oil received this month, amounting to.....	2,489.59
Amount of oil in storage October 1st, 1910.....	1,566.66
Amount of oil in storage November 1st, 1910.....	1,392
Amount of oil consumed this month.....	2,664.25
Amount of oil consumed per day.....	86

	NOVEMBER, 1910.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	221,344,650		
Amount of water pumped by Engine No. 764....	1,281,180		
Amount of water pumped by Engine No. 330....	6,823,680		
Total water pumped.....			223,249,510
Average per day.....	7,441,650		
Average pressure		56 pounds	
Average suction lift.....		8 feet	

<i>Fuel Oil</i> —	Barrels.
7 cars of fuel oil received this month, amounting to.....	2,129.52
Amount of oil in storage November 1st, 1910.....	1,392
Amount of oil in storage December 1st, 1910.....	1,174
Amount of oil consumed this month.....	2,347.52
Amount of oil consumed per day.....	78.25

	DECEMBER, 1910.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	170,851,610		
Amount of water pumped by Engine No. 764....	26,488,200		
Amount of water pumped by Engine No. 330....	739,740		
Total water pumped.....			198,079,550
Average per day.....	6,389,663		
Average pressure		57 pounds	
Average suction lift.....		8 feet	

<i>Fuel Oil</i> —	Barrels.
8 cars fuel oil received this month, amounting to.....	2,371.81
Amount of oil in storage December 1st, 1910.....	1,174
Amount of oil in storage January 1st, 1911.....	1,468.75
Amount of oil consumed this month.....	2,077.06
Amount of oil consumed per day.....	67

	JANUARY, 1911.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine..	203,508,110		
Amount of water pumped by Engine No. 330....	957,440		
Total water pumped.....			204,465,550
Average per day.....	6,595,663		
Average pressure		57 pounds	
Average suction lift.....		8 feet	

<i>Fuel Oil—</i>	Barrels.
7 cars received this month, amounting to.....	2,119.60
Amount of oil in storage January 1st, 1911.....	1,468.75
Amount of oil in storage February 1st, 1911.....	1,533
Amount of oil consumed this month.....	2,055.35
Amount of oil consumed per day.....	66.30

FEBRUARY, 1911.	Gallons.	Gallons.
Amount of water pumped by Nordberg engine.....	153,020,610	
Amount of water pumped by Engine No. 764....	8,016,050	
Amount of water pumped by Engine No. 330....	691,460	
Total water pumped.....		161,728,120
Average per day.....	5,776,004	
Average pressure	56 pounds	
Average suction lift.....	8 feet	

<i>Fuel Oil—</i>	Barrels.
6 cars of fuel oil received this month, amounting to.....	1,771.31
Amount of oil in storage February 1st, 1911.....	1,533
Amount of oil in storage March 1st, 1911.....	1,574.86
Amount of oil consumed this month.....	1,729.45
Amount of oil consumed per day.....	61.76

FIRE ALARMS.

Number of fire alarms received.....	35
Number of second alarms received.....	1
Number of third alarms received.....	2
Number of fourth alarms received.....	1

RECOMMENDATIONS.

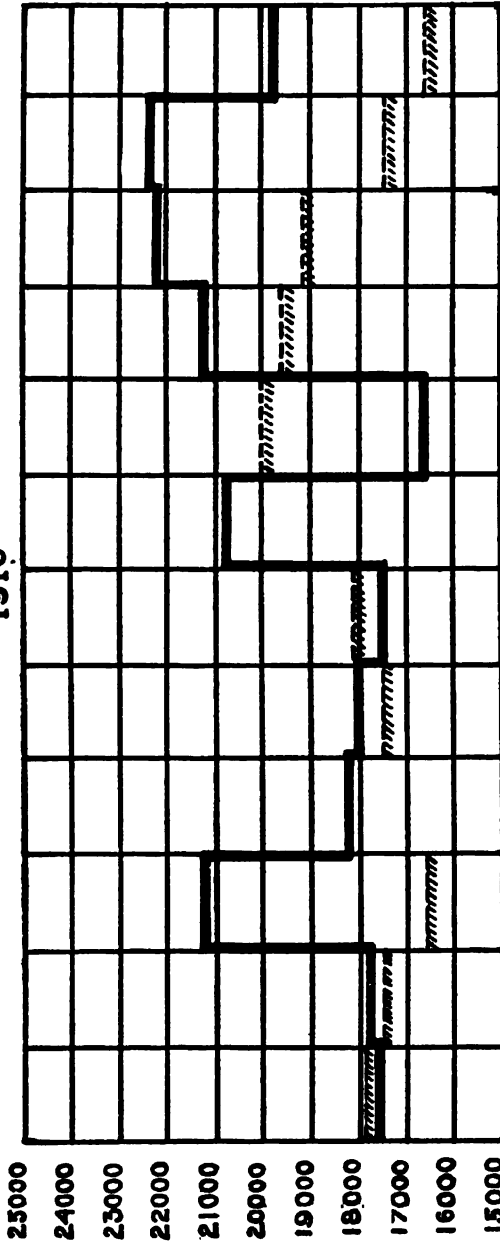
I would recommend that the standpipe be repainted, as it is leaking in the seams in several places.

An oil filter for lubricating oils is badly needed and I suggest that one be purchased.

Very truly yours,

C. G. BYRNE,
Chief Engineer.

**MONTHLY EARNINGS
1910**



March April May June July Aug Sept Oct. Nov. Dec Jan'y Feb'y
 Heavy Lines are 1910 Monthly Earnings
 Dotted " " 1909

JNO B. WILLIAMS
 Supt.

ROBT. L. JONES
 Water Commissioner

ANNUAL REPORT

OF

W. J. KOHLHAUFF,

CHAIRMAN FIRE COMMITTEE,

For the Year Ending February 28, 1911.

REPORT OF FIRE COMMITTEE.

HOUSTON, TEXAS, March 1, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I herewith respectfully submit to you the annual report of the Fire Department.

This has been a very busy year for this department, owing to the great amount of improvements which required our attention.

All of our steamers were inspected by an expert engineer from the National Board of Underwriters, and four of them were found to be in bad shape. These steamers were immediately sent to the machine shop and put in first-class condition; the rest received minor repairs, as the expert engineer recommended, so that now all of our steamers are in good condition. We added to the department this year one extra first size steamer, the largest in this section of the State, which has given entire satisfaction. For this steamer we have purchased 2,500 feet of 3-inch hose, this providing an immense volume of water when needed at a large fire in the business section of our city.

We also purchased the latest improved combination hose and chemical wagon.

In addition to the 2,500 feet of 3-inch hose purchased for the large steamer, we also secured 3,500 feet of 2 1/2-inch hose for the other steamers. This amount of new hose will be abundant for some time.

Engine House No. 2, at the corner of Preston and Sampson Streets, has been completed and fully equipped with apparatus and men. This is a handsome structure, up-to-date in every respect, and is of great value to that portion of the city.

The most disastrous fire of the past year was what was known as the "Carbide" fire, which occurred on September 27, 1910, at 10:45 p. m. This was the Houston Transfer and Carriage Company's storage warehouse on Wood Street.

In this building was stored a large amount of calcium carbide, which, when it came in contact with the water poured into the building, burned fiercely, and can after can of it exploded—making it very dangerous for the firemen to get close to it. About sixty of our men were burned about their feet and limbs by this carbide, and three were severely injured by the explosion of same.

We have since passed an ordinance regulating the storage of calcium carbide, which has been copied by a number of larger cities, and in the future we will have no more trouble with it.

The number of alarms have decreased about 15 1/2 per cent over last year. Most of these alarms were for flue fires.

At present we have in active service 104 men, 30 apparatuses and 51 horses.

The overhead wires with which the department has been hampered in the past are rapidly being placed under ground.

There has been added to this department a fire marshal. This appointment and the excellent work the Fire Department has rendered the city has been instrumental in Houston having its key rate reduced from 35 cents to 28 cents, and the rate on residence property has been reduced one-third. This is very gratifying to this department.

RECOMMENDATIONS.

I recommend the immediate purchase of an up-to-date Aerial truck. The one now in service was purchased long years ago, and is far behind the times. It could be cut down and used for a service truck, to be placed in the south end of the city, where one is badly needed.

The construction of a new engine house in the southern part of the city, and its full equipment at an early date, is another recommendation I now make.

In conclusion, I would recommend an addition of fifty fire alarm boxes for the residence portion of our city.

Respectfully,

W. J. KOHLHAUFF,
Fire Commissioner.

REPORT OF FIRE MARSHAL.

HOUSTON, TEXAS, March 1, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I herewith present to you my first annual report as Fire Marshal for the fraction of the year, commencing April 12, 1910.

Owing to the fact that there was no ordinance defining the duties of the office and everything appertaining thereto, and the office being new to me and having to have my record blanks printed, my report only shows from April 25, 1910.

I have been somewhat handicapped by having everything appertaining to the duties of the office to learn as I went along, but I have met with a hearty co-operation from the insurance agents and the citizens in general in responding cheerfully when I called upon them, without having to file a single complaint.

I also wish to express my gratitude to the Honorable Mayor, Commissioners, Chief and both of the Assistant Chiefs of the Fire Department for the many favors shown me.

I recommend an ordinance governing the storage and handling of gasoline, engine naphtha and other explosive fluids.

I also recommend an ordinance regulating the cleaning of chimneys and flues, which, in my opinion, will decrease the roof fires and lessen the runs of the Fire Department 60 per cent.

Respectfully,

E. R. PARKER,

*Fire Marshal.***FIRE MARSHAL'S REPORT.**

Amount of property involved.....	\$2,239,177.35
Amount of insurance on property.....	1,222,251.86
Damage to property.....	325,806.04
Amount of insurance paid.....	172,707.65

FIRE CHIEF'S REPORT.

HOUSTON, TEXAS, March 1, 1911.

TO THE HON. H. B. RICE, Mayor,
and
W. J. KOHLHAUFF, Fire Commissioner City of Houston, Tex.

GENTLEMEN:—I have the honor of submitting this, my annual report of the Fire Department, for the year ending February 28, 1911.

In submitting to you this report I have made only a short account of the progress of the department, owing to the report of Fire Commissioner Kohlhauff, which will cover all details of the department, showing improvements and recommendations for the coming year.

During the past year we have added one new station, No. 2, at the corner of Preston and Sampson Streets, and have equipped it with a combination hose and chemical wagon, formerly used by No. 1 Company, and a fourth size steamer, formerly used at No. 10 station.

We have put No. 2 steamer from Central Station at No. 10's house, replacing the steamer sent to No. 2.

We have placed an extra first size American-La France steamer and a combination hose and chemical wagon equipped with 3-inch hose at Central Station, which enables us to handle a very large volume of water at our fires in the business district.

I note, with a great deal of pride, that our fire losses have decreased about 15 1/2 per cent for the past year.

The automobile chemical added to the department last year is still rendering very valuable service, and has proven to be an indispensable apparatus, as it handles a large per cent of the fires before the horse-drawn apparatus arrives at the scene of fire.

I wish to thank your Honor, the Mayor, and Commission-

ers, for the increase in salaries, as it enables me to secure and retain a better class of firemen.

There has been added by the Water Department twenty-seven new fire hydrants, which has increased the fire protection about 3 1/2 per cent.

I wish to extend my thanks to City Electrician George and the Electrical Department for their assistance to myself and the Fire Department, especially for service rendered by the uninterrupted and perfect working service of the fire alarm system under that department.

I also wish to extend thanks to Chief Ray and officers of the Police Department for their valued assistance rendered this department at all fires.

In conclusion, I wish to extend my thanks to His Honor, the Mayor, and Fire Commissioner Kohlhauff and the other Commissioners for their valuable assistance in my behalf in the discharge of my duty as Chief of the Fire Department.

Very respectfully submitted,

R. F. OLLRE,
Chief.

Cost of Maintaining and Operating the Fire Department for the Fiscal Year Ending February 28th, 1911.

Salaries	\$ 92,700.90
Repairs and renewals of buildings.....	2,690.51
Repairs and renewals of furniture and bedding..	39.55
Repairs and renewals of equipment.....	14,777.71
Live stock, renewals and maintenance.....	7,057.03
Fuel for engines.....	1,411.75
Lubricants and other engine supplies.....	707.45
Chemicals	236.24
Light and heat	2,406.23
Stationery and printing.....	184.55
Other	2,231.79
Total	\$124,443.76

Fire Alarms During the Fiscal Year Ending February 28th, 1911.

		Box	Telephone	Total		
		Alarms	Alarms	Alarms	A.M.	P.M.
March, 1910.....	10	37	47	27	20	
April, "	24	36	60	37	23	
May, "	7	28	35	11	24	
June, "	9	19	28	4	24	
July, "	8	24	32	10	22	
August, "	5	19	24	9	15	
September "	18	26	44	19	25	
October, "	12	48	60	28	32	
November, "	5	54	59	19	40	
December, "	11	73	84	33	51	
January, 1911.....	15	63	78	23	55	
February, "	10	38	48	13	35	
Totals	134	465	599	233	366	

Causes of Fires During the Year Ending February 28, 1911.

CAUSE	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Total
Cigarette.....				1			1	1	1				4
Candle too near wall.....												1	1
Electric wires crossed.....				1	1								2
Dynamo burning out.....											1		1
Flues.....	17	3	2	1	1	1	4	8	6	21	14	8	85
False alarms.....		4	3	1	4	1	3	4	1	1	7	4	33
Fireworks.....										4			4
Fire place defective.....									1				1
Furnace.....		1						1	1		4		7
Furnace on floor.....					1	3							4
Gasoline explosion.....		2	3	1	3	1	4	1	1	3			18
Gasoline stove.....						1				2			3
Gasoline.....		1											1
Gas jet.....		2			1			1					4
Gas pipe explosion.....	1									1			2
Grass on fire.....							1	2	4	5	6		18
Gas stove explosion.....		2											2
Gas leaking.....				1				2					3
Hot ashes.....									1	1			2
Hot box ignited.....								1					1
Incendiary origin.....	2	4	1	1				1		3	1	2	15
Lightning.....			3										3
Lamp.....								1					1
Lamp explosion.....	2		1			1	2	2	1	1			10
Matches, rats playing with.....						1			2	1			4
Matches, children playing with.....	2		1	1				2	1	2	1		10
Matches.....		2					2	1		2	2		7
Oil in ditch.....				1			1		1		1		4
Oil stove explosion.....										1		1	1
Oil can explosion.....										1			1
Sparks from flues.....	9	13	8	4	5	1	7	6	7	15	18	15	106
Sparks from fires.....								1		1	1	3	6
Sparks from Locomotives.....		2		1				2				1	7
Stove overheated.....	1					2	1		1	1	1	1	8
Spontaneous combustion.....	3		1	1				4	3	1		1	14
Trash.....	1	4	5	2		2	1	1	1	1	2		20
Unknown.....	7	6	7	4	13	8	19	15	10	7	10	11	117
Wiring defective.....		1								2		1	4
Flues defective.....	2	8	2	2	1	3		6	13	8	3		48
Awning fires.....									1				1
Adjoining house.....	4	9	3	7	10		4	2		4	7	7	57
Auto gasoline explosion.....		1											1
Lamp wicks burning on gallery.....		1											1
Smoking Mosquitoes.....		1	1	1									3
Fire place.....		1											1
Smoke Stack, sparks from.....		1		3								2	6
Sparks from Emery Wheel.....				1									1
Mosquito bar blown into gas jet.....					1						1		2
Sparks falling into Engine Pit.....						1							1
Pole on fire.....									1	1			2
Drying kindling on boiler.....											1		1
Sack on steam pipe.....											1		1
Lamp too close to wall.....											1		1
Totals.....	51	69	41	35	41	24	50	63	59	86	83	59	661

Insurance Statistics.

Value of buildings.....	\$3,865,385.00
Value of stock or furniture.....	4,700,519.84
Total value of property involved.....	\$8,565,904.84
Insurance on buildings.....	\$1,311,785.00
Insurance on stock or furniture.....	999,275.00
Total insurance on buildings and contents.....	\$2,311,060.00
Damage to insured buildings.....	\$ 117,183.90
Damage to uninsured buildings.....	7,189.50
Damage to insured stock or furniture.....	92,945.25
Damage to uninsured stock or furniture.....	7,066.50
Total damage to buildings and contents.....	\$ 224,385.19

Character of Buildings Damaged During the Fiscal Year Ending February 28, 1911.

Month	Frame Buildings	Brick Buildings	Other than Buildings
March, 1910.....	43	3	5
April, ".....	54	5	7
May, ".....	30	2	4
June, ".....	28	3	3
July, ".....	31	15	1
August, ".....	18	3	3
September, ".....	39	2	5
October, ".....	47	3	9
November, ".....	41	3	11
December, ".....	72	4	9
January, 1911.....	57	7	13
February, ".....	50	4	..
	<u>510</u>	<u>54</u>	<u>70</u>

Water Hydrants.

Number of fire hydrants in the city..... 843

The new water mains installed include the setting of twenty-seven new fire hydrants, making a total of 843, and increasing the fire protection 3¼%.

**Services Performed by the Fire Department During the Fiscal Year
Ending February 28, 1911.**

COMPANY	Fires Attended	Miles From Station	Feet Hose Used	Feet Ladders Used	Gallons Chemicals Used	Time at Work— Hours
Chief's Auto.....						
Chemical Auto..... No. 1	333	339.00	26,770	320	6,228	97.50
Hose Co..... No. 1	161	133.50	36,250	12	309	514.75
Hose Co..... No. 2	36	85.25	12,300	192	265	90.75
Hose Co..... No. 3	114	123.25	24,650	400	24	144.00
Hose Co..... No. 5	143	129.50	39,200	981	93	193.25
Hose Co..... No. 6	168	160.50	25,850	708	84	159.25
Hose Co..... No. 7	143	135.25	23,300	407	39	163.75
Hose Co..... No. 8	222	226.50	40,650	396	54	211.15
Hose Co..... No. 9	108	136.50	25,450	362	93	122.00
Hose Co..... No. 10	179	160.25	33,750	540	66	189.75
Steamer Co (extra) No. 1	41	27.00				41.00
Steamer Co..... No. 1	63	40.75				100.00
Steamer Co..... No. 2	31	55.00				70.00
Steamer Co..... No. 5	83	67.75				137.50
Steamer Co..... No. 6	135	130.75				112.75
Steamer Co..... No. 7	94	87.25				113.00
Steamer Co..... No. 8	128	111.25				125.50
Steamer Co..... No. 9	55	63.50				126.75
Steamer Co..... No. 10	121	109.75				142.00
Chemical Co..... No. 3	110	121.25	4,850	40	2,460	133.75
Hook and Ladder Truck Co..... No. 9	160	229.75		3,662	39	180.00
Aerial Truck Co..... No. 1	7	3.25		316		18.50
Hook and Ladder Truck Co..... No. 1	333	381.25		9,740		282.75
Hose Reel in reserve.....	2	3.75	5,000			27.00
Total.....	2,990	3,061.75	303,220	18,076	9,754	3,496.65

Comparative Statement of Alarms and Number of Men Employed.

Year	No. of Men Employed	No. of Alarms
1898	55	226
1899	55	259
1900	60	298
1901	62	297
1902	59	300
1903	61	258
1904	65	391
1905	65	364
1906	65	396
1907	65	498
1908	83	636
1909	100	709
1910	104	599

Force of the Fire Department for the Year Ending February 28, 1911.

	Amount Per Month	Salary
1 Chief	\$200.00	\$ 2,400.00
1 1st Assistant Chief.....	150.00	1,800.00
1 2nd Assistant Chief.....	110.00	1,320.00
1 Captain	100.00	1,200.00
1 Mechanical Engineer	100.00	1,200.00
1 Engineer and Veterinarian.....	100.00	1,200.00
1 Fire Marshal	100.00	1,200.00
8 Captains	90.00	8,640.00
6 Engineers	90.00	6,480.00
2 Chauffeurs	90.00	2,160.00
1 Secretary	80.00	960.00
51 Firemen, 1 year or more.....	72.50	54,370.00
29 Firemen, less than one year.....	65.00	22,620.00

\$105,350.00

Apparatus.

We have thirty in service, located at the various Stations, as follows:

Apparatus	No.	Location
1 Chief's automobile	—	Central Station
1 Combination hose wagon (steel).....	1	Central Station
1 Extra first size Metropolitan steamer.....	1	Central Station
1 Chemical automobile	1	Central Station
1 Seagrave hook and ladder truck.....	1	Central Station
1 Hayes aerial truck, 75-foot.....	1	Central Station
1 First size Continental steamer.....	1	Central Station
2 Assistant Chief's buggies.....	—	Central Station
1 Hose reel (in reserve).....	—	Central Station
1 Combination hose wagon.....	2	Station No. 2
1 Fourth size La France steamer.....	2	Station No. 2
1 Hose wagon	3	Station No. 3
1 Double 60-gallon Holloway chemical.....	3	Station No. 3
1 Chief's buggy	—	Station No. 3
1 Supply wagon	23	Station No. 3
1 Hose wagon	5	Station No. 5
1 Third size La France steamer.....	5	Station No. 5
1 Hose wagon	6	Station No. 6
1 Fourth size La France steamer.....	6	Station No. 6
1 Hose wagon	7	Station No. 7
1 Fourth size La France steamer.....	7	Station No. 7
1 Hose wagon	8	Station No. 8
1 Third size Clapp & Jones steamer.....	8	Station No. 8
1 Hose wagon	9	Station No. 9
1 Fourth size Continental steamer.....	9	Station No. 9
1 Preston hook and ladder truck.....	9	Station No. 9
1 Fire Marshal's buggy.....	—	Station No. 9
1 Hose wagon	10	Station No. 10
1 Second size La France steamer.....	10	Station No. 10

Size and Dimensions of Steam Fire Engines and Date Placed in Service.

Date Placed in Service	Steamer No.	Make	Size	Boiler	Cylinder & cam	Pumps	Stroke	Capacity of Water per Minute
1910	1	Metropolitan	Ex. 1st	38x68	9½	5½	9	1,100
1908	1	Continental	1st	36x72	9	5½	8	900
1895	2	La France	2nd	33x60	7½	4½	9	700
1894	5	La France	3rd	30x62	7½	4½	8	600
1901	6	La France	4th	28x72	6½	4	7	500
1901	7	La France	4th	28x72	6½	4	7	500
1896	8	Clapp & Jones	3rd	30x62	7	4½	8	600
1908	9	Continental	4th	30x66	6½	4	8	500
1901	10	Metropolitan	4th	30x60	6½	4	7	500

Horses in Service Year Ending February 28, 1911.

	No.
Central Station	10
Fire Station No. 2.....	4
Fire Station No. 3.....	7
Fire Station No. 5.....	4
Fire Station No. 6.....	4
Fire Station No. 7.....	4
Fire Station No. 8.....	5
Fire Station No. 9.....	7
Fire Station No. 10.....	5
Fire Marshal	1
Total	51

ANNUAL REPORT

OF

JACK KENNEDY,

**CHAIRMAN STREET AND BRIDGE
COMMITTEE,**

For the Year Ending February 28, 1911.

REPORT OF STREET AND BRIDGE COMMITTEE.

HOUSTON, TEXAS, March 1, 1911.

TO THE HON. H. B. RICE,
Mayor City of Houston.

DEAR SIR:—I herewith respectfully submit to you the annual report of the work done by the Street and Bridge Department for the fiscal year ending February 28, 1911, which I regard as a creditable showing, and trust a satisfactory one to your Honor and the citizens in general.

Considerable new work has been done in the new additions to the city, such as grading streets, opening new streets, etc.

This department has given much attention to keeping the paved streets of the city clean, and has installed a very good system of sweeping and afterwards hauling the dirt away.

The holes in dirt and graveled streets have been kept in good order by constantly filling them, and the department maintains three carts for that purpose.

There are many minor items of work done by this department that are not recorded.

The following is a list of streets which are swept every night:

Main Street, from Franklin to Berry Avenue.
Travis Street, from Franklin to Leeland Avenue.
Milam Street, from Franklin to Dallas Avenue.
Fannin Street, from Franklin to McKinney Avenue.
San Jacinto Street, from Commerce to McKinney Avenue.
Congress Avenue, from Milam to Crawford Street.
Franklin Avenue, from Louisiana to Austin Street.
Preston Avenue, from Austin Street to Washington Avenue.
Prairie Avenue, from Milam to Crawford Street.
Texas Avenue, from Milam to Caroline Street.
Capitol Avenue, from Milam to Caroline Street.
Rusk Avenue, from Milam to Caroline Street.
Walker Avenue, from Milam to Caroline Street.
Willow Street, from San Jacinto Street Bridge to Walnut Street.
Washington Avenue, from Franklin Street Bridge to Tenth Street.

The following is a list of streets which are swept twice weekly :

Washington Avenue, from Tenth to Brashear Street.
Liberty Avenue.
McKee Street.
Conti Street.
Odin Avenue.
Lyons Avenue.
Hardy Street, from Conti to Noble Street.
Houston Avenue, from Washington Avenue to Spring Street.
Harrisburg Road, from I. & G. N. Tunnel to Milby Street.

The following is a list of streets which are swept three times weekly :

Main Street, from Berry to Cleburne Avenue.
Franklin Avenue, from Austin to Chartres Street.
Texas Avenue, from Caroline to Hamilton Street.
McKinney Avenue, from Bagby to Chartres Street.

The following is a list of streets which are swept weekly :

San Jacinto Street, from McKinney to McGowen Avenue.
Leeland Avenue, from Louisiana to Crawford Street.
McGowen Avenue, from Milam to Crawford Street.
Crawford Street, from Commerce to McGowen Avenue.
Montgomery Avenue, from Wood to James Street.
Sabine Street, from Washington Avenue to Sabine Street Bridge.
Heiner Street, from Sabine Street Bridge to San Felipe Street.
Preston Avenue, from Austin Street to I. & G. N. Tunnel.

The following is a list of streets sprinkled daily :

McKinney Avenue, from Bagby to Hutchins Street.
Milam Street, from Commerce to McGowen Avenue.
Bagby Street, from McKinney Avenue to San Felipe Street.
Lamar Avenue, from Louisiana Street to City Park.
Dallas Avenue, from Milam Street to City Park.
Walker Avenue, from Milam to Caroline Street.
Rusk Avenue, from Milam to Caroline Street.
Capitol Avenue, from City Jail to Caroline Street.
Texas Avenue, from Milam to Crawford Street.
Main Street, from McKinney to Berry Avenue.
Prairie Avenue, from Milam to Caroline Street.
Preston Avenue, from Washington Avenue to Caroline Street.
Congress Avenue, from Louisiana Street to I. & G. N. R. R. Depot.

Franklin Avenue, from Bridge to Chartres Street.
 Main Street, from Commerce to McKinney Avenue.
 Travis Street, from Commerce to Dallas Avenue.
 Fannin Street, from Franklin to McKinney Avenue.
 San Jacinto Street, from Preston Avenue to H. E. & W. T. R. R. Co.
 Commerce Avenue, from San Jacinto to Milam Street.
 San Felipe Street, from Helner to Smith Street.
 Dallas Avenue, from Smith to Milam Street.

The department has filled the large gully on Crosby Street and made the street perfectly level; also filled the gully at the corner of Walker and Bagby Streets.

The following is a list of the street bridges and foot crossings laid down during the past year:

Street bridges	1,010
Foot crossings	971

The department also laid:

Drains	14
Culverts	6
Bulkheads	8
Street foot steps.....	9

During the past year the department has maintained a systematic method of ditching and can show the good result of ditching 2,671 blocks; this work was done by the ditching gangs and does not include the ditching done by the grading gang.

The following is a list of streets graded during the past year:

Graded and shelled Main Street, from Wharf to Commerce Avenue.
 St. Agatha Street, in Oak Lawn Addition.
 St. Augustine Street, in Oak Lawn Addition.
 Milby Street.
 Sherman Street, from Milby Street to Oak Lawn.
 Texas Avenue, from Milby Street to S. A. & A. P. R. R.
 York Street, from Commerce Avenue to Engelke Street.
 Holman Street.
 York Street, from G. H. & H. R. R. to Harrisburg Road.
 St. Emanuel Street, from McGowen to Elgin Avenue.
 Baker Street, from Milby Street to Southern Pacific R. R.
 Milby Street, from Arnold to Huntington Street.

Huntington Street, from Milby Street to S. P. R. R.
Bomar Street, from Milby Street to S. P. R. R.
Cleveland Street, in Oak Lawn Addition.
Orrine Street, in Oak Lawn Addition.
Bell Avenue, from Scott to Milby Street.
Dallas Avenue, from Scott to Milby Street.
Edmundson Street, from Leeland to Dallas Avenue.
Polk Avenue, from Scott to Milby Street.
Winchester Street, from Milby to Hussion Street.
St. Charles Street, from Leeland to Calhoun Avenue.
Highland Avenue, from Houston Avenue to White Oak Bayou.
Payne Avenue, from Houston Avenue to White Oak Bayou.
Hooker Street, from Houston Avenue to White Oak Bayou.
Louisiana Street, from Prairie to Texas Avenue.
Jefferson Avenue, from Main to Fannin Street.
Newhoff Street, from Clark to Schuller Street.
Quitman Street, from Clark Street to I. & G. N. R. R.
Smith Street, from Prairie to Preston Avenue.
Prairie Avenue, from Louisiana to Smith Street.
Chartres Street, from Preston to Congress Avenue.
Hardcastle Street, from Heiner to Crosby Street.
Schuller Street, from Quitman to Newhoff Street.
Everett Street, from Henry Street to Boundary Avenue.
Morris Street, from Montgomery Avenue to Gentry Street.
Grove Street, from St. Charles to Gillespie Street.
St. Charles Street, from Bayou to Grove Street.
Gillespie Street, from Bayou to Cage Street.
Liberty Avenue, from Hardy to Mary Street.
Freeman Street, from Paschal to Quitman Street.
Freeman Street, from Morris Street to Boundary Avenue.
Providence Street, from Maffitt to Mary Street.
Tackaberry Street, from Henry to Quitman Street.

Other grading work done by the grading gang:

Changed Dallas Avenue Ditch from Gulf, Colorado & Santa Fe track to Scott Street.
Filled Louisiana Street, from Texas to Capitol Avenue.
Filled Texas Avenue, from Milam to Louisiana Street.
Sub-graded Elysian Street, from Nance to Conti Street.
Excavated Anita Avenue, from Caroline to Crawford Street.
Opened and graded German Street, from Sampson to Palmer Street.

The following is a list of ditching done by the grading gang:

Ditched McKinney Avenue, Slaughter Pen Bayou to G. C. & S. F. Railroad yards.
 Changed drainage on Holman Avenue.
 Changed drainage on San Jacinto Street.
 Changed drainage on Fannin Street.
 Changed drainage on Alabama Avenue.
 Ditched Capitol Avenue, from Sampson to York Street.
 Ditched Genesee Street.
 Ditched Fargo Street, from Huntington to Baker Street.
 During the past year the department ditched nearly all the streets in the Fairview Addition.
 Ditched Arnold Street, from Webster to Milby.
 Ditched St. Charles Street, from Leeland to Calhoun Avenue.
 Ditched Houston Avenue, from Highland to Hooker Street.
 Cleaned out the Calhoun Street ditch.

The gully at foot of Hutcheson Street, and also the gully at the corner of Engelke and Paige Streets, have been ripped, and I don't believe that we will have any further trouble with these two gullies.

The following shows work done on the bridges which cross the Ship Channel:

Redecked San Jacinto Street Bridge.
 Redecked Preston Street Bridge.
 Overhauled Sabine Street Bridge.
 Overhauled Louisiana Street Bridge.
 Overhauled Milam Street Bridge.
 Overhauled White Oak Bayou Bridge.
 Overhauled Crockett Street Bridge.
 Repaired McKee Street Bridge.
 Repaired Hill Street Bridge.
 Repaired Houston Avenue Bridge.
 Repaired Beauchamp Springs Bridge.

The bridge on Telephone Road crossing the Slaughter Pen Bayou was practically rebuilt, as also the bridge on Dumble Street, known as the Cut-Off Road.

The following shows repair work done by the department during the year; and in doing this repair work, we used the surplus gravel from San Felipe Street:

Repaired Louisiana Street, Caroline Street, Tuam Avenue, and other gravel streets.

The department filled an old well, which was standing open, and which was dangerous to passersby, at the corner of Race Street and Pine.

The following is a list of new work done by the department:

Extended the sewer on Hogan Street.

Laid new sewer on House Street.

Built Catch Basins:

At the corner of Liberty Avenue and Mary Street.

At the corner of Conti Street and Hardy Street.

At the corner of Elysian Street and Liberty Avenue.

At the corner of Elysian and Providence Streets.

At the corner of Hardy Street and Providence Street.

At the corner of Engelke and Buffalo Streets.

At the corner of Heiner Street and Shipman Street.

Work done at the City Stables:

Laid 300 feet of sewer and built 3 Catch Basins to drain barnyard. Cut down and graded stable yards, placing in condition for shelling.

Put in six feet of dirt fill 60 feet wide and 110 feet long.

Built a new shed 24 by 100 feet long.

Built new office building.

Placed fire plugs and a full equipment of hose and nozzles for fire protection.

Repaired the barn fence.

During the past year the department purchased the following:

1 Horse, at the cost of \$200.00.

3 New sweepers.

2 Dump wagons.

6 Can carriers for street sweepers.

The following is a list of the gutters which are centrally located and which are flushed daily:

Main Street, from Commerce to Walker Avenue.

Travis Street, from Commerce to Walker Avenue.

Milam Street, from Commerce to Walker Avenue.

Louisiana Street, from Commerce to Walker Avenue.

Fannin Street, from Commerce to Walker Avenue.
 San Jacinto Street, from Commerce to Walker Avenue.
 Caroline Street, from Commerce to Walker Avenue.
 Congress Avenue, from Smith to Caroline Street.
 Franklin Avenue, from Franklin Avenue Bridge to Caroline Street.
 Commerce Street, from Milam to Caroline Street.
 Preston Avenue, from Smith to Caroline Street.
 Prairie Avenue, from Smith to Caroline Street.
 Texas Avenue, from Smith to Caroline Street.
 Capitol Avenue, from Smith to Caroline Street.
 Rusk Avenue, from Smith to Caroline Street.
 Walker Avenue, from Smith to Caroline Street.

The streets have been continually torn up by different corporations and firms for laying sewer, gas and other pipes, and the department has watched very closely that the firms or corporations making such openings replace the street in as good a condition as it was before the opening was made.

The department keeps an inspector for that purpose, and if the corporation or firm making an opening fails to replace the street in good condition, the department will make the necessary repairs and charge the amount of the cost to the firm or corporation who refuses to leave the street in good condition.

The following shows the number of openings made during last year:

Gas	934
Sewer	338
Other openings	281

Last year the department cleaned the Pumping Station yard and spread the shell with which the yard was filled, and now we have a Pumping Station which looks neat and clean, and a credit to the city.

INVENTORY OF LIVE AND OTHER STOCK.

2 Head of horses.	2 Oil wagons.
66 Head of mules.	3 Carts.
39 Sets of harness.	2 Washing machines.
23 Board wagons.	1 Road grader.
2 Dump wagons.	1 Mowing machine.
8 Sweeping machines.	18 Street cans and 10 carriers.
6 Sprinkling machines.	

DISBURSEMENTS FOR THE YEAR 1910.

I herewith beg to give your Honor an itemized account of the entire expense of this department for the year ending February 28, 1911.

From the total you will notice I have deducted the amount \$1,781.52, which amount has been paid by the Houston Electric Co. as their portion of the expense in repairing the city bridges on which the company operates cars.

I also deduct the amount of \$25.25, which is an amount for work done for the Houston Gas Co., and other collections made for work for different firms, which amount is \$17.65.

I also have deducted the amount of \$2,639.89, which amount was expended by the City Engineer's Department, but was charged to the Street and Bridge Department.

You will also notice in the Exhibit H of the expense account that the department spent \$150.00 for medical services to employees. This account is for medical services given to employees who were unavoidably injured, and the department deemed it just and proper to pay for the medical attention they required.

<i>General Foremen, Inspectors and Clerks—</i>	
Salary	\$ 4,565.00
<i>Repairs and Renewals to Buildings—</i>	
Lumber	19.80
Salary, labor	16.00
<i>Equipments—</i>	
Supplies	3,029.19
Blacksmith	3,266.51
Broom maker	710.97
Engineer's Department	4.18
Lumber	15.50
Harness	80.05
Paint	7.00
Miscellaneous	49.15
Two dump wagons.....	330.00
Freight	140.01

<i>Bridges—</i>	
Bridge gang, salary.....	\$ 8,795.08
Lumber	11,800.39
Bridge tenders, salary.....	3,600.00
Bridge supplies	335.20
Freight	156.35
Engineer's Department	165.00
<i>Live Stock—</i>	
Stableman, salary	1,457.25
Feed	9,154.27
Medical services and drugs.....	62.37
<i>Street Cleaning—</i>	
Flushing gutters, salaries.....	2,313.42
Cleaning streets in business district, salary...	6,364.23
Street sprinkling	2,708.69
Cleaning tunnels	1,932.50
Keeping paved street drains open.....	2,350.21
Cleaning all paved streets.....	14,622.64
Street sweeping	3,914.00
<i>Street Repairing—</i>	
Ditching	16,438.13
Grading and opening streets.....	5,684.65
Repairing pavements	1,219.30
Filling holes in dirt and gravel streets, teamsters	4,080.76
Freight	63.30
Repairing culverts	282.00
Repairing block pavements.....	312.40
Supplies, tools, etc.....	821.17
Engineer's Department	2,412.14
<i>Other Expense—</i>	
Stable watchman	818.25
Stationery and office supplies.....	23.70
Electric lights	88.75
Telephone	55.05
Supplies	40.40
Spreading dirt at barn yard.....	620.00
Fire insurance	28.72
Miscellaneous	23.35
Medical services to employes.....	150.00
Typewriting machine	82.50
<i>Extraordinary—</i>	
Supplies	1,155.16
Salary	1,812.36
New sweeping machines.....	750.00
Engineer's department	62.75
Lumber	73.55
Total	\$119,063.35

CREDIT.

Amount brought forward.....		\$119,063.35
Expended by Engineer's Department and charged to Street and Bridge Department		\$2,639.89
Collected from Houston Electric Co. their portion of expense repairing bridges on which they operate cars		1,781.52
Collected from Houston Gas Co. for work the department did for them	25.25	
Collected from other firms for street repairing other firms failed to do, which was done by the depart- ment	17.65	4,464.31
		<hr/>
Net expense of Street and Bridge De- partment		\$114,599.04

I regret to mention that during the past year the department has lost seven head of mules, which died from the following causes:

- 1 From heart failure.
- 1 From pneumonia.
- 5 From lockjaw.

I respectfully recommend that a larger increase in the budget allowance be made for the ensuing year in the Street and Bridge Department, as I find it almost impossible to make the necessary improvements and keep within the last budget allowance.

In conclusion, I wish to thank you for the assistance you have rendered me in the discharge of my duty.

As chairman of the Street and Bridge Department, I endeavored to carry out my duty, and give relief to the many citizens as to drainage, laying foot crossings, street bridges, etc.

Very respectfully submitted,

J. KENNEDY,

Chairman Street and Bridge Committee.



ANNUAL REPORT

OF

DAN C. SMITH, JR.,
CITY CONTROLLER,

For the Year Ending February 28, 1911.

REPORT OF CITY CONTROLLER.

HOUSTON, TEXAS, March 10, 1911.

To the Honorable Mayor and City Council of the City of Houston:

GENTLEMEN:—I herewith submit to you my annual report for the fiscal year ending February 28, 1911, which embraces the following exhibits and schedules of detail, to-wit:

EXHIBIT "A"—GENERAL BALANCE SHEET:

SCHEDULE.

- No. 1—Property and Improvements.
- No. 2—Outstanding bills for collection.
- No. 3—Warrants outstanding.
- No. 4—Audited Vouchers.
- No. 5—Special Deposits Repayable.
- No. 6—Bonded Debt.

**EXHIBIT "B"—STATEMENT OF REVENUE AND EXPENSE,
for the year ending February 28, 1910 and 1911:**

SCHEDULE.

- Nos. 1 and 2—Revenue Classified and Compared.
- Nos. 3 and 4—Expense Classified and Compared.
- No. 5—Disbursements General Fund for Permanent Improvements.

**EXHIBIT "C"—ITEMIZED STATEMENT OF MISCELLANEOUS
IMPROVEMENTS.**

EXHIBIT "D"—STATEMENT OF BOND FUND DISBURSEMENTS.

EXHIBIT "E"—STATEMENT OF DEPARTMENTAL EXPENSES, for the year ending February 28, 1911 and appropriations made therefor.

Respectfully submitted,

DAN C. SMITH,
Controller.

Comparative General Balance Sheet, February 28, 1911 and 1910.

AVAILABLE:	ASSETS.		
Cash—	February 28,	February 28,	Increase
In hands of City Treasurer:	1911.	1910.	or Decrease
General Fund	\$ 1,731.10	\$ 17,696.67	*\$ 15,965.57
Bond Funds:			
Paving	34,204.43	35,223.82	* 1,019.39
Wharves and Slips .....	.....	88,429.11	* 88,429.11
Drainage Sewers	1.87	186,759.66	* 186,757.79
Sanitary Sewers	42,961.75	182,259.74	* 139,297.99
School Fund	72,745.00	1,695.69	* 74,440.69
Sinking Fund	4,220.00	.....	4,220.00
Special Deposit Fund.....	3,671.70	1,101.70	2,570.00
Water Department Fund.....	35.73	10,835.23	* 10,799.50
TOTAL	\$ 14,081.58	\$ 524,001.62	*\$509,920.04
Cash in Other Hands:			
Board of Liquidation.....	*\$ 24,857.65	\$ 53,123.44	*\$ 77,981.09
Assessor and Collector.....	2,097.20	4,939.76	* 2,842.56
Police Department	73.10	*	25.11
Electrical Department	94.30	17.50	76.80
Water Department	1,282.91	.....	1,282.91
TOTAL	*\$ 21,310.14	\$ 58,055.59	*\$ 79,365.73
Working Funds:			
City Attorney	\$ 25.00	\$ 25.00	.....
Assessor and Collector.....	650.00	650.00	.....
Police Department	50.00	50.00	.....
Water Department	50.00	50.00	.....
Consulting Engineer	25.00	.....	\$ 25.00
Electrical Department	25.00	.....	25.00
TOTAL	\$ 825.00	\$ 775.00	\$ 50.00
TOTAL CASH IN OTHER HANDS...	*\$ 20,485.14	\$ 58,830.59	*\$ 79,315.73
GRAND TOTAL CASH.....	*\$ 6,403.56	\$ 582,832.21	*\$589,235.77
Accounts Receivable—			
Taxes in hands of Assessor and Collector	\$ 380,688.41	\$ 380,769.78	*\$ 81.37
Other items in hands of Assessor and Collector	189.25	185.75	3.50
Bills for Collection (Sched. No. 2) ..	2,249.42	4,530.37	* 2,280.95
Water Department Bills.....	48,548.32	40,898.92	7,649.40
Scavenger Department Bills.....	1,957.70	1,365.95	591.75
State of Texas "School Fund".....	72,745.00	2,531.21	70,213.79
TOTAL ACCOUNTS RECEIVABLE.....	\$ 506,378.10	\$ 430,281.98	\$ 76,096.12
TOTAL AVAILABLE ASSETS.....	\$ 499,974.54	\$1,013,114.19	*\$513,139.65
NOT AVAILABLE:			
Property and Improvements (Schedule No. 1)	\$7,999,025.05	\$6,973,325.46	\$1,025,699.59
Sinking Fund (Harris County Bonds)	116,000.00	120,220.00	* 4,220.00
Stock of Supplies.....	895.53	286.55	608.98
TOTAL ASSETS	\$8,615,895.12	\$8,106,946.20	\$508,948.92

° See Sinking Fund Treasurer's Cash for \$4,220.00, shown here as decrease.

* Decrease.

Exhibit "A".

(Continued)—1.

Comparative General Balance Sheet, February 28, 1911 and 1910.

LIABILITIES.

	February 28, 1911.	February 28, 1910.	Increase or Decrease
CURRENT:			
Warrants Outstanding (Sched. No. 3)	\$ 21,227.33	\$ 76.31	\$ 21,151.02
Audited Vouchers (Sched. No. 4)	60,281.09	.....	60,281.09
Anticipation Warrants	75,000.00	.....	75,000.00
Interest Accrued, Bond Debt, not due.	59,268.62	57,818.62	1,450.00
Special Deposits (Sched. No. 5)	5,245.40	2,595.40	2,650.00
Unclaimed Wages	866.47	640.58	225.89
TOTAL	\$ 221,888.91	\$ 61,130.91	\$160,758.00
BONDED DEBT (Schedule No. 6)	\$4,919,000.00	\$4,819,000.00	\$100,000.00
WATER WORKS MORTGAGE	\$ 467,000.00	\$ 467,000.00	.....
CERTIFICATES OF IND'BT'NESS (Storrie) . . . . .	.....	\$ 10,300.00	*\$ 10,300.00
REFUND PAVING CERTIFICATES	\$ 232,628.94	\$ 254,498.25	*\$ 21,869.31
TOTAL LIABILITIES	\$5,840,517.85	\$5,611,929.16	\$228,588.69
EXCESS OF ASSETS OVER LIABILITIES	\$2,775,377.27	\$2,495,017.04	\$280,360.23
TOTAL	\$8,615,895.12	\$8,106,946.20	\$508,948.92

* Decrease.

Property and Improvements, February 28, 1911 and 1910.

	February 28, 1911.	February 28, 1910.	Increase or Decrease
Legal Department:			
Law Library	\$ 974.10	\$ 824.10	\$ 150.00
Assessor and Collector:			
Stewart Block Book System	\$ 10,000.00	\$ 10,000.00	.....
City Hall and Market House	\$ 642,022.20	\$ 642,022.20	.....
Furniture and Fixtures	1,320.92	873.67	\$ 447.25
TOTAL	\$ 643,343.12	\$ 642,895.87	\$ 447.25
Police Department:			
City Jail	\$ 52,163.10	\$ 52,099.00	\$ 64.10
Automobile	2,167.60	2,167.60	.....
Motorcycles	1,037.43	1,037.43	.....
Bertillon System	891.00	891.00	.....
TOTAL	\$ 56,259.13	\$ 56,195.03	\$ 64.10
Fire Department:			
Central Station	\$ 103,764.93	\$ 92,910.11	\$ 10,854.82
Hose Company No. 1	7,648.50	7,648.50	.....
Fire Station No. 2	24,063.42	2,250.00	21,813.42
Fire Station No. 3	10,182.81	10,182.81	.....
Fire Station No. 5	13,528.50	13,528.50	.....
Fire Station No. 6	11,031.13	11,031.13	.....
Fire Station No. 7	14,281.44	14,281.44	.....
Fire Station No. 8	14,425.00	14,425.00	.....
Fire Station No. 9 (Old)	10,768.50	10,768.50	.....
Fire Station No. 9 (New)	21,249.77	21,249.77	.....
Fire Station No. 10	15,124.00	15,124.00	.....
Automobile	1,480.27	1,480.27	.....
Fire Marshal Equipment	350.00	.....	350.00
TOTAL	\$ 247,898.27	\$ 214,880.03	\$ 33,018.24
Electrical Department:			
Fire and Police Alarm System	\$ 63,792.04	\$ 34,045.04	\$ 29,747.00
Automobile	1,395.00	1,395.00	.....
TOTAL	\$ 65,187.04	\$ 35,440.04	\$ 29,747.00
Health Department:			
Smallpox Camp	\$ 624.50	\$ 624.50	.....
Crematory	6,050.00	.....	6,050.00
TOTAL	\$ 6,674.50	\$ 624.50	\$ 6,050.00
Scavenger Department	\$ 3,400.00	\$ 3,400.00	.....
Street and Bridge Department	\$ 70,295.12	\$ 57,521.06	\$ 12,774.06
City Stables	2,686.43	2,686.43	.....
Opening Streets	32,570.09	28,874.46	3,695.63
Bridges	63,456.48	63,456.48	.....
Viaduct, Main Street	1,867.15	.....	1,867.15
TOTAL	\$ 170,875.27	\$ 152,538.43	\$ 18,336.84
FORWARD	\$ 1,204,611.43	\$ 1,116,798.00	\$ 87,813.43

* Decrease.

Exhibit "A"—Schedule No. 1.

(Continued)—1.

Property and Improvements, February 28, 1911 and 1910.

(CONTINUED)

	February 28, 1911.	February 28, 1910.	Increase or Decrease
AMOUNT BROUGHT FORWARD.....	\$1,204,611.48	\$1,116,798.00	\$ 87,813.48
Garbage Department	\$ 4,138.76	\$ 4,138.76	.....
Sewer Department:			
Sanitary System, Pumping Station...\$	70,935.21	\$ 70,935.21	.....
Sanitary System, Filter Beds.....	137,279.26	111,761.76	\$ 25,517.50
Sanitary System, Intercepting.....	137,053.98	137,053.98	.....
Sewers, Subsequent to Jan. 1, 1899...	353,414.37	238,634.40	114,779.97
Drainage Sewers	236,963.62	47,531.48	189,432.14
TOTAL	\$ 935,646.44	\$ 605,916.83	\$329,729.61
Asphalt Plant	\$ 3,000.00	\$ 3,000.00	.....
Schools:			
High School	\$ 226,638.58	\$ 226,638.58	.....
Rusk	17,217.50	25,400.00	*\$ 8,182.50
Longfellow	18,091.40	17,500.00	591.40
Fannin	99,604.95	68,122.98	31,481.97
Taylor	22,587.50	22,587.50	.....
Dow	23,544.60	23,544.60	.....
Hawthorne	29,700.00	29,700.00	.....
Cascara	40,219.70	40,219.70	.....
Jones	36,850.05	36,612.30	237.75
Allen (site donated).....	46,528.77	46,528.77	.....
Austin	26,898.75	26,898.75	.....
Lubbock	48,147.18	48,147.18	.....
Reagan	44,513.74	44,513.74	.....
Beauchamp Springs	470.00	470.00	.....
Site (Washington Street).....	5,000.00	5,000.00	.....
Woodland Heights	39,604.83	39,604.83	.....
Lamar	55,269.68	55,269.68	.....
High School (colored).....	32,450.00	32,450.00	.....
Bingham Street (colored).....	4,893.50	4,893.50	.....
First Ward (colored).....	3,800.00	3,800.00	.....
Douglass (colored)	14,184.00	12,847.00	1,337.00
Fifth Ward (colored).....	7,430.70	7,430.70	.....
Chaneyville (colored)	2,498.00	.....	2,498.00
Langston (colored)	10,580.00	10,580.00	.....
Fourth Ward (colored).....	12,338.00	11,690.00	648.00
Palmer Street (colored).....	8,840.86	8,840.86	.....
Additions in 1905 (colored).....	9,700.95	9,700.95	.....
Barr Addition (colored).....	5,700.00	5,700.00	.....
TOTAL	\$ 893,303.24	\$ 864,691.62	\$ 28,611.62
Water Plant	\$1,299,999.85	\$1,211,404.94	\$ 88,594.91
Parks:			
Sam Houston	\$ 37,825.43	\$ 37,641.73	\$ 183.70
Cleveland	50,500.00	50,500.00	.....
Elizabeth Baldwin (site donated)....	193.75	193.75	.....
TOTAL	\$ 88,519.18	\$ 88,335.48	\$ 183.70
FORWARD	\$3,224,607.47	\$2,777,487.63	\$447,119.84

* Decrease.

Exhibit "A"—Schedule No. 1.

(Continued)—2.

Property and Improvements, February 28, 1911 and 1910.

	(CONTINUED)		
	February 28, 1911.	February 28, 1910.	Increase or Decrease
AMOUNT BROUGHT FORWARD.....	\$3,224,607.47	\$2,777,487.63	\$447,119.84
Carnegie Library	\$ 8,619.62	\$ 8,619.62	.....
Auditorium	\$ 344,657.37	\$ 99,922.79	\$244,734.58
Houston Ship Channel.....	\$ 108,353.21	\$ 86,983.36	\$ 21,369.85
Wharves and Slips.....	\$ 189,309.75	\$ 67,770.75	\$121,539.00
Street Paving subsequent to Jan. 1, 1899..	\$1,259,020.04	\$1,155,897.15	\$103,122.89
Undistributed, prior to Jan. 1, 1899....	\$1,659,846.16	\$1,659,846.16	.....
TOTAL	\$7,999,025.05	\$6,973,325.46	\$1,025,699.59

Outstanding Bills for Collection—General—At February 28, 1911

No.		Amount.
352	Robischung Bros.	\$ 17.50
368	J. W. Thiel	5.00
370	Harris County	465.99
404	E. C. Lamb	3.50
420	Geo. W. Larendon	9.25
423	Pattliff & Griffin	105.00
454	Miss Kate Scanlan	7.50
497	T. H. Thompson	52.20
498	Richard Rogers	102.00
506	Mrs. Julia Reiler	30.60
547	Citizens Telephone Co.	3.76
553	Mrs. E. Flewellen	68.15
554	S. S. Ashe	70.50
582	Houston Electric Co.	462.00
588	Capt. Curry	24.00
611	Houston Electric Co.	78.50
619	P. S. Griffin	109.20
651	Lucas & Smith	22.50
661	Collins Bros.	18.00
692	Home Telephone Co.	6.25
705	Mrs. E. Flewellen	3.65
706	Dudley Bros.	2.10
708	H. S. Fox	1.25
709	Taylor-Roberts Co.	13.60
762	Collins Bros.	45.00
773	G. H. & S. A. Ry. Co.	265.20
820	Houston Electric Co.	2.50
863	L. C. Artusey	21.00
896	Buffalo Bayou Co.	33.00
903	J. W. Thiel	10.50
904	Sid Westheimer	29.75
905	Houston Gas Co.	25.25
914	Houston Electric Co. ....	.75
931	Southern Pacific Co.	1.50
936	E. N. Drouet	98.40
937	Houston Electric Co.	28.33
938	Southwestern Tel. & Tel. Co.	2.00
939	Houston Electric Co.	1.75
940	Houston Lighting & Power Co.	2.50
TOTAL		<u>\$2,249.42</u>

Exhibit "A"—Schedule No. 2.

List of Warrants Outstanding, February 28, 1911

No.	CITY WARRANTS.	Amount.
11,924	Auto & Motor Boat Co.....	\$.80
12,884	Bayou City Iron Works.....	11.70
13,249	C. R. Cummings Lumber Co.....	.55
13,266	Hobson Electric Co.....	134.45
13,353	F. E. Ebersole.....	13.30
13,391	John Heffernan.....	6.00
13,392	F. R. Hall.....	9.80
13,397	J. P. Welsh.....	13.60
13,399	Chas. E. Yates.....	10.75
13,400	Schopmeyer Manufacturing Co.....	22.50
13,401	Hobson Electric Co.....	112.81
13,402	J. M. Hogan.....	19.45
13,403	J. I. Holcomb Manufacturing Co.....	187.38
13,404	Holm Schmidt Co.....	15.10
13,405	A. R. Anderson.....	196.30
13,406	Bering Tire & Rubber Co.....	12.50
13,407	C. L. & Theo. Bering.....	32.57
13,408	Bering & Cortes.....	25.71
13,409	Barron & Friedlander.....	.75
13,410	Bayou City Ice Co.....	2.50
13,411	Bonner Oil Co.....	20.73
13,412	Austin W. Burgess.....	1.50
13,413	The Bucyrus Co.....	15.00
13,414	Burton Lumber Co.....	1,050.05
13,415	Jas. Bute Co.....	51.70
13,416	Buick Auto Co.....	13.50
13,417	Capital Blacksmith Shop.....	15.75
13,418	The Cargill Co.....	62.95
13,419	Central Drug Co.....	2.30
13,420	City Lumber Yard.....	507.35
13,422	W. H. Coyle & Co.....	229.03
13,423	W. H. Coyle & Co.....	3.75
13,424	W. H. Coyle & Co.....	1.87
13,426	C. R. Cummings Lumber Co.....	277.25
13,427	Engineering Contracting.....	31.20
13,428	E. H. Dumble & Co.....	23.20
13,429	L. T. Fuller & Co.....	2.60
13,430	Gamewell Fire Alarm Tel. Co.....	288.01
13,431	J. M. Geiselman Co.....	93.30
13,432	The Gilbert Book Co.....	19.90
13,433	W. F. Glass.....	18.75
13,434	Gribble-Fischer Stamp Co.....	7.50
13,435	Gulf Refining Co.....	38.38
13,436	Hahn & Clay.....	11.50
13,437	Hartwell Iron Works.....	78.50
13,438	Geo. W. Hawkins & Co.....	7.80
13,439	F. W. Heltmann.....	3.45
13,440	Henke Ice Co.....	9.75
13,441	W. S. Hipp.....	85.00
13,442	Houston Lighting & Power Co.....	4,202.97

FORWARD \$ 8,003.06

Exhibit "A"—Schedule No. 3.

(Continued)—1.

List of Warrants Outstanding, February 28, 1911—Continued.

No.		Amount.
	FORWARD	\$ 8,003.06
13,443	Houston Gas Co.	11.97
13,444	Houston Infirmary Sanitarium	20.00
13,445	Houston Broom Factory	5.00
13,446	Houston Brush Co.	8.00
13,447	Houston Chronicle Publishing Co.....	24.40
13,448	Houston Printing Co.	30.79
13,449	Houston Transfer & Carriage Co.	4.00
13,450	Houston Drug Co.	146.73
13,451	E. A. Hudson	3.75
13,452	Imperial Leatherine Preserver Co.	15.00
13,454	Jesse H. Jones Lumber Co.....	313.30
13,455	Kattman & Kneeland Tent Co.....	2.25
13,456	Keithly Co. ....	.75
13,457	Keystone Printing Co.	7.50
13,458	Drs. Knight & Folse Bros.....	12.00
13,459	F. E. Koehler	105.15
13,460	Texas Blue Print & Supply Co.....	14.54
13,461	Lea & Lloyd	15.10
13,462	Levy Bros. Dry Goods Co.....	3.70
13,464	A. T. Lucas	343.50
13,465	W. L. Macatee & Sons.....	26.40
13,466	J. L. Mitchell	20.00
13,467	W. L. Macatee & Sons.....	122.85
13,468	Jno. McClellan & Co.....	1.10
13,469	Jos. F. Meyer Co.	5.63
13,470	J. L. Mitchell	27.00
13,471	Model Carriage Co.	181.35
13,472	Mosehart & Keller Co.	279.50
13,473	Patrick Transfer Co.	1.50
13,474	Peden Iron & Steel Co.....	591.95
13,475	Remington Typewriter Co.	82.50
13,476	Peden Iron & Steel Co.....	65.38
13,477	Richard Cocke & Co.	20.00
13,478	Robischung Bros.	15.10
13,479	B. A. Reisner	119.50
13,480	Texas Lamp & Oil Co.....	4.10
13,481	Tel-Electric Co.	93.34
13,482	The Texas Co.	1,939.50
13,483	Gus W. Tips	12.80
13,485	Tofte Boiler & Sheet Iron Co.....	58.27
13,486	St. Joseph's Infirmary	407.40
13,487	Schopmeyer Manufacturing Co.	78.15
13,488	Frank Shepherd Co.	3.00
13,489	Smith & Sons Manufacturing Co.....	15.00
13,490	Southern Drug Co.	97.26
13,491	South Texas Paint & Glass Co.....	57.95
13,492	South Texas Grain Co.	610.19
13,497	Star Livery & Boarding Stables.....	45.50
13,498	F. H. Stewart	40.00
	FORWARD	\$14,062.71

List of Warrants Outstanding, February 28, 1911—Continued.

No.		Amount
	FORWARD	\$14,062.71
13,499	H. Waddell	9.95
13,500	Chas. J. Wright.....	12.50
13,507	Theo. Keller	2.00
13,508	A. T. Lucas	35.00
13,509	Ahrens & Ott Manufacturing Co.....	453.96
13,510	C. L. & Theo. Bering.....	2.20
13,511	Jas. Bute Co.	9.53
13,512	Bonner Oil Co.	59.51
13,513	W. H. Coyle & Co.....	20.60
13,514	Cale-Lane Oil Co.	3.50
13,515	R. R. Glass	2.00
13,516	Hartwell Iron Works	91.78
13,517	Geo. W. Hawkins	12.90
13,518	F. W. Heitmann & Co.....	256.16
13,519	Tel-Electric Co.	10.00
13,520	The Texas Co.	4.24
13,521	Texas Auto Tire & Repair Works.....	4.50
13,522	A. M. Lockett & Co.....	20.00
13,523	W. L. Macatee & Sons.....	13.45
13,525	National Meter Co.	1,520.00
13,526	Neptune Meter Co.	3.50
13,527	Peden Iron & Steel Co.....	207.63
13,528	Randolph Paint Co. ....	.56
13,529	B. A. Reisner	27.00
13,530	Robischung Bros.	5.85
13,531	The A. P. Smith Co.....	37.00
13,532	South Texas Grain Co.	15.46
13,540	T. C. Dunn, City Treasurer.....	700.00
	TOTAL	\$17,603.49

SCHOOL WARRANTS.

No.		Amount
3,069	Mrs. Ida Lang	\$ 12.50
3,070	Mrs. J. E. French	12.00
3,071	March Culmore	35.00
3,073	Barber Plumbing Co.	56.05
3,074	Keithly Plumbing Co.	441.20
3,075	McNeeley & Heitmann.....	7.75
3,076	Necco & Elseman	86.80
3,077	E. E. Holtkamp	119.83
3,078	F. W. Heitmann & Co.....	21.69
3,079	Adoue-Blaine Hardware Co.	25.75
3,080	C. L. & Theo. Bering.....	22.90
3,081	Bering-Cortes Hardware Co.	28.75
3,082	J. W. Thiel	13.92
3,083	Miss Jessie Hetzel	100.00
3,084	Taylor Bros.	10.50
3,085	Robt. Kerr	4.00
	FORWARD	\$ 998.64

List of Warrants Outstanding, February 28, 1911—Continued.

No.		Amount.
	FORWARD	\$ 998.64
3,086	Levy Bros. Dry Goods Co.....	28.44
3,088	Houston Brush Co.	19.25
3,089	Remington Typewriter Co.	4.65
3,090	Fay & Eagan Co.	7.49
3,091	Barden Electric Co.	24.95
3,092	Jos. F. Meyer Co.	2.95
3,093	Bering Manufacturing Co.	10.90
3,094	Burton Lumber Co.	54.75
3,095	W. T. Carter Lumber Co.	1.00
3,096	Jesse H. Jones Lumber Co.....	34.50
3,097	C. R. Cummings Lumber Co.....	51.40
3,098	Texas & Louisiana Lumber Co.....	103.81
3,099	Texas Lamp & Oil Co.....	2.20
3,101	Houston Lighting & Power Co.....	77.95
3,102	Houston Gas Co.	112.43
3,103	Scanlan & Bartell	2.50
3,104	Westheimer Transfer Co.	11.50
3,105	W. H. Coyle & Co.	13.25
3,106	Texas Blue Print Co.	17.95
3,107	The Teetshorn Co.	7.50
3,108	The Cargill Co.	76.80
3,109	South Texas Paint Co.	23.53
3,110	Jas. Bute Co.	25.15
3,111	Ed. C. Smith	33.50
3,112	Stowers Furniture Co.	157.08
3,113	Waddell Furniture Co.	62.40
3,114	A. N. Lewis & Co.....	70.00
3,115	Lea & Lloyd	98.70
3,116	Belk & Co.	317.20
3,117	Childress & Taylor	185.27
3,118	Frazer & McIntire	187.50
3,119	Torrey & Co.	366.00
3,120	E. D. Holt	49.50
3,121	O. L. Cochran	85.20
3,122	Southwestern Tel. & Tel. Co.....	72.80
3,123	Henke & Pillot	66.65
3,124	E. O. Smith	10.00
3,125	M. H. Kerr	128.25
3,126	W. Peine	20.30
	TOTAL	\$ 3,623.84
	GRAND TOTAL	\$21,227.33

Audited Vouchers, February 28, 1911.

No.		Amount.
29,026	Pay Roll, Police	\$ 9,018.20
29,027	" " Fire	8,044.95
29,028	" " Garbage	180.00
29,029	" " Street and Bridge	1,162.50
29,030	" " Scavenger	437.50
29,031	" " Assessor and Collector	1,222.00
29,032	" " Sewer and Filter Beds.....	740.00
29,033	" " Miscellaneous	3,228.33
29,034	" " Health	1,373.50
29,035	" " Health	200.00
29,036	" " Engineer	1,192.40
29,037	" " Electrical	405.00
29,038	" " Cleaning lilies	125.00
29,039	" " Inspector of Boilers	100.00
29,040	" " Legal	858.33
29,041	" " Dredge Tom Ball	335.00
29,042	" " Consulting Engineer	300.00
29,043	" " Consulting Engineer	1,866.23
29,044	" " Water	110.00
29,045	" " Water	1,590.00
29,046	" " Sewer and Filter Beds.....	81.25
29,047	Kansas City Scenic Co.	3,476.39
29,048	J. O. Hardin	378.20
29,049	Pay Roll, Water	155.50
29,050	" " Water	552.20
29,051	" " Park	73.10
29,052	" " Scavenger	100.12
29,053	" " Sewer	96.00
29,054	" " Sewer and Filter Beds.....	85.00
29,055	" " Electrical	326.50
29,056	" " Garbage	410.96
29,057	" " Street and Bridge	1,691.16
29,058	" " City Hall	24.00
29,059	" " Engineer for A. P.	172.15
29,060	W. L. Macatee	73.70
29,061	City Lumber Yard	297.05
29,062	Texas Lamp & Oil Co.	1.65
29,063	South Texas Grain Co.	601.38
29,064	Jos. F. Meyer Co. ....	.95
29,065	Gulf Refining Co.	12.69
29,066	Peden Iron & Steel Co.	69.97
29,067	J. B. Farthing Lumber Co.	367.73
29,068	H. D. Taylor Lumber Co.	361.20
29,069	Burton Lumber Co.	314.25
29,070	Southern Drug Co.	55.36
29,071	St. Joseph's Infirmary	295.20
29,072	Aqua Pura Bottling Works .....	.25
29,073	Houston Drug Co.	11.13
29,074	Star Livery Stable	23.00
29,075	The Cargill Co.	62.50
29,076	B. A. Reissner	1.50
29,077	H. Henke	9.00
29,078	J. L. Mitchell	10.00
FORWARD		\$42,679.98

Exhibit "A"—Schedule No. 4.

(Continued)—1.

Audited Vouchers, February 28, 1911—Continued.

No.		Amount.
	FORWARD	\$42,679.98
29,079	A. T. Lucas	56.00
29,080	Peden Iron & Steel Co.	28.92
29,081	Henke & Pillot	3.05
29,082	Texas Lamp & Oil Co.	4.40
29,083	Holm, Schmidt & Co.	7.70
29,084	T. & N. O. R. R. Co.	69.38
29,085	W. L. Macatee & Sons.	3.00
29,086	Houston Brush Co.	8.00
29,087	Henke & Pillot .....	.80
29,088	Tel-Electric Co.	13.90
29,089	Peden Iron & Steel Co. ....	.44
29,090	Tel-Electric Co.	255.69
29,091	Hobson Electric Co.	6.00
29,092	Peden Iron & Steel Co.	11.33
29,093	Bering & Cortes .....	.50
29,094	Jesse H. Jones	66.95
29,095	W. H. Coyle & Co.	2.25
29,096	Houston Infirmary Sanitarium	17.50
29,097	Tel-Electric Co.	10.80
29,098	Keithly Co.	3.00
29,099	Houston Gas Co.	61.71
29,100	Hobson Electric Co.	32.40
29,101	Tel-Electric Co.	22.72
29,102	Peden Iron & Steel Co.	10.54
29,103	W. H. Coyle & Co.	40.00
29,104	Burroughs Adding Machine Co.	3.00
29,105	W. H. Coyle & Co.	23.65
29,106	Mosehart & Keller Co.	6.50
29,107	South Texas Grain Co.	20.81
29,108	Houston Gas Co.	31.35
29,109	Mosehart & Keller Co.	26.55
29,110	C. L. & Theo. Bering.	10.30
29,111	Hobson Electric Co.	5.28
29,112	Remington Typewriter Co. ....	.75
29,113	Buckley Shoe Co.	6.25
29,114	Houston Soap Works	26.00
29,115	Bonner Oil Co.	94.49
29,116	A. M. Lockett Co.	459.97
29,117	C. L. & Theo. Bering, Jr.	1.20
29,118	Burroughs Adding Machine Co.	1.25
29,119	W. L. Macatee & Sons.	2.50
29,120	Ahrens & Ott Manufacturing Co.	36.55
29,121	F. W. Heitmann Co.	193.10
29,122	Hartwell Iron Works	37.93
29,123	National Meter Co.	530.00
29,124	Glauber Brass Manufacturing Co.	336.00
29,125	Peden Iron & Steel Co.	100.04
29,126	The Cargill Co.	5.50
29,127	F. W. Stewart	40.00
29,128	Gulf Refining Co.	27.78
29,129	Peden Iron & Steel Co.	19.71
29,130	Tel-Electric Co.	2.40
	FORWARD	\$45,461.82

Exhibit "A"—Schedule No. 4.

(Continued)—2.

No.	Audited Vouchers, February 28, 1911—Continued.	Amount.
	FORWARD	\$45,461.82
29,131	Texas Lamp & Oil Co. ....	.55
29,132	Hartwell Iron Works	11.61
29,133	A. Liccioni	12.50
29,134	W. L. Macatee & Sons.	9.60
29,135	Texas Lamp & Oil Co.	1.05
29,136	E. N. Drouet	35.00
29,137	Peden Iron & Steel Co.	4.15
29,138	A. T. Lucas.	5.50
29,139	Gamewell Fire Alarm & Tel. Co.	8,407.50
29,140	C. L. & Theo. Bering, Jr.	9.35
29,141	Hobson Electric Co.	2.64
29,142	Kattman & Kneeland Tent Co.	1.25
29,143	The Hartford Rubber Co.	5.00
29,144	Buick Auto Co.	8.00
29,145	Tel-Electric Co.	127.97
29,146	W. L. Macatee & Sons.	8.45
29,147	J. W. Sampson	10.50
29,148	J. M. Geiselman Co.	6.95
29,149	W. H. Coyle & Co.	83.50
29,150	W. H. Coyle & Co.	193.70
29,151	Bering & Cortes	4.50
29,152	Standard Printing & Lithographing Co.	150.00
29,153	Texas Engraving & Electro Co.	20.93
29,154	Texas Photo & Supply Co.	16.50
29,155	B. A. Reisner	7.75
29,156	Hartwell Iron Works	58.10
29,157	Mosehart & Keller Auto Co.	7.87
29,158	J. J. Sweeney Co.	3.00
29,159	Jos. F. Meyer Co. ....	.10
29,160	C. L. & Theo. Bering.	67.50
29,161	B. A. Reisner	108.00
29,162	Gus W. Tips	4.40
29,163	Model Carriage Co.	19.60
29,164	C. L. & Theo. Bering.	5.25
29,165	Hahn & Clay	11.75
29,166	Wilkerson & Blau	51.75
29,167	J. D. Turpin	10.50
29,168	Central Drug Co. ....	.75
29,169	South Texas Grain Co.	32.01
29,170	O. P. Jackson Co.	25.55
29,171	A. T. Lucas	224.00
29,172	Peden Iron & Steel Co.	14.15
29,173	Southern Drug Co.	31.66
29,174	Bering Tire & Rubber Co.	3.50
29,175	Houston Gas Co.	6.07
29,176	W. H. Coyle & Co.	50.30
29,177	Bering-Cortes Hardware Co.	8.00
29,178	Houston Broom Factory	30.00
29,179	C. L. & Theo. Bering.	7.35
29,180	Peden Iron & Steel Co.	11.61
29,181	Houston Soap Works	3.00
29,182	Henke & Pillot	11.35
29,184	Houston Lighting & Power Co.	4,076.04
29,185	Houston Lyceum, Carnegie Library	791.66
	TOTAL	\$60,281.09

Exhibit "A"—Schedule No. 4.

(Concluded)—3.

Special Deposits Payable at February 28, 1911.

	Folio.	Amount.
Modern Plumbing Co.	13	\$ 55.00
Frank Moran	13	10.00
Geo. W. Beardsley	16	10.00
Western Union Tel. & Tel. Co.....	22	200.00
Southwestern Tel. & Tel. Co.....	23	2,500.00
Houston Gas Co.	24	500.00
N. G. Kittrell	33	20.00
C. A. Elmen	34	10.00
Mosehart-Keller Co.	39	10.00
H. L. Stevens	43	25.00
J. O. Ross	50	10.00
Houston Saw Mill Co.....	55	20.00
F. Stech	55	10.00
Theo. C. Miller	57	10.00
W. S. Hipp	60	15.00
J. E. Jewett	60	15.00
C. E. Bammell	62	40.00
C. Cramer	62	10.00
McNeeley & Heitmann	64	105.00
Keithly Co.	66	100.40
Condon & Son	67	28.50
Commercial and First National Banks.....	68	25.00
F. C. Van Liew.....	69	45.00
Central Laundry Co.	70	10.00
Houston Ice Cream Co.....	70	20.00
G. H. & H. Transportation Co.....	72	10.00
R. J. Potts	74	10.00
People's Ice Co.	77	10.00
Robischung Bros.	85	155.00
J. W. Thiel	86	50.00
Otto Gersteman	87	20.00
Barber Plumbing Co.	88	410.50
Faultless Plumbing Co.	89	25.00
Collins Bros.	90	236.00
F. L. Autman	91	185.00
Lead Pipe Plumbing Co.....	92	35.00
J. S. Bridges	26	20.00
G. Horpnich	82	10.00
J. R. Sullivan	27	30.00
B. Feldka	93	75.00
A. R. Campbell	93	10.00
Wm. Dandridge	93	10.00
W. L. Kect	93	10.00
Frank Wildino	26	10.00
Etta Clark	26	20.00
A. Hood	26	20.00
P. Bomar	27	10.00
J. C. Ballew	27	10.00
M. Lorino	27	10.00
TOTAL		\$5,245.40

Bonded Debt, February 28, 1911.

Date Issued.		Rate	Amount
Jan. 1, 1882	30-year Funding Bonds.....	6%	\$ 524,000.00
July 1, 1888	30-year Compromise Bonds.....	6%	500,000.00
July 1, 1888	30-year Compromise bonds.....	5%	503,000.00
May 1, 1894	30-year Public School Building Bonds.....	6%	100,000.00
May 1, 1896	40-year Bridge Building Bonds.....	5%	39,000.00
Jan. 1, 1897	40-year Market House Funding Bonds.....	5%	109,000.00
July 1, 1897	40-year Paving and Sewer Bonds.....	5%	250,000.00
Dec. 1, 1897	40-year School Building Bonds.....	5%	50,000.00
Jan. 1, 1898	25-year School Building Refunding Bonds.....	5%	60,000.00
July 1, 1898	40-year Paving, Sewer and Permanent Improvement Bonds	5%	100,000.00
Jan. 2, 1899	40-year Paving and Sewer Bonds.....	5%	100,000.00
Nov. 15, 1899	40-year Sewerage and Sanitary System Bonds..	5%	300,000.00
Aug. 1, 1901	40-year Paving Bonds.....	5%	240,000.00
Aug. 1, 1901	40-year Sewer Bonds.....	5%	60,000.00
Aug. 1, 1901	40-year School Building Bonds.....	5%	50,000.00
Aug. 15, 1903	40-year Market, Engine and Schoolhouse Bonds	5%	100,000.00
Oct. 1, 1903	40-year Paving Bonds.....	5%	300,000.00
Oct. 1, 1904	40-year Improvement Bonds.....	5%	100,000.00
July 16, 1906	40-year Water Works Bonds.....	5%	434,000.00
Aug. 5, 1908	30-year Permanent Paving Bonds.....	5%	100,000.00
Oct. 26, 1908	30-year Water Mains Extension Bonds.....	4½%	100,000.00
Oct. 26, 1908	30-year Wharf and Slip Construction Bonds...	4½%	150,000.00
Oct. 26, 1908	30-year Sewer Drainage Construction Bonds...	4½%	225,000.00
Oct. 26, 1908	30-year Sanitary Sewer Construction Bonds...	4½%	225,000.00
Sept. 7, 1909	30-year Permanent Paving Bonds.....	4½%	100,000.00
Sept. 27, 1910	30-year Permanent Paving Bonds.....	4½%	100,000.00
TOTAL			<u>\$4,919,000.00</u>

Exhibit "A"—Schedule No. 6.

**Statement of Revenue and Expense for the Years Ended
February 28, 1911 and 1910.**

REVENUE—	1911.	1910.
Exhibit "B," Schedule No. 1—Ordinary.....	\$1,583,451.76	\$1,523,969.42
Exhibit "B," Schedule No. 2—Extraordinary.....	14,862.32	15,000.00
TOTAL REVENUE	\$1,597,314.08	\$1,538,969.42
EXPENSE—		
Exhibit "B," Schedule No. 3—Ordinary.....	\$1,286,129.59	\$1,165,213.09
Exhibit "B," Schedule No. 4—Extraordinary.....	32,169.31	34,552.91
TOTAL EXPENSE	\$1,318,298.90	\$1,199,766.00
Excess of Revenue over Expense.....	\$ 279,015.18	\$ 339,203.42
<i>Disbursements for Permanent Improvements from General Revenues—</i>		
Exhibit "B," Schedule No. 5.....	\$ 518,041.41	\$ 349,968.31
REVENUE IN EXCESS OF TOTAL DISBURSEMENTS..*	\$ 239,026.23	*\$ 10,764.89

* Deficit.

Exhibit "B".

**Revenue, Classified and Compared, for the Fiscal Years Ended
February 28, 1911 and 1910.**

	1911.	1910.	Increase or Decrease
GENERAL GOVERNMENT—			
<i>Law Department—</i>			
City Attorney's Office.....	\$ 2,747.37	\$ 1,042.63	\$ 1,704.74
<i>Finance Department—</i>			
Assessor and Collector:			
Interest	\$ 6,614.33	\$ 10,282.45	*\$ 3,668.12
Advertising and Costs.....	2,881.52	3,768.32	* 886.80
TOTAL FINANCE DEPARTMENT....	\$ 9,495.85	\$ 14,050.77	*\$ 4,554.92
TOTAL GENERAL GOVERNMENT.....	\$ 12,243.22	\$ 15,093.40	*\$ 2,850.18
PUBLIC SAFETY:			
<i>Police Department—</i>			
Special Details and Appointments..	\$ 2,499.80	\$ 2,374.00	\$ 125.80
Pound Fees	3,686.95	3,692.30	* 5.35
Dog Licenses	913.00	302.00	611.00
Other	124.50	86.50	88.00
TOTAL	\$ 7,224.25	\$ 6,404.80	\$ 819.45
<i>Corporation Court—</i>			
Fines and Costs.....	\$ 18,024.66	\$ 16,994.05	\$ 1,030.61
<i>Fire Department—</i>			
Miscellaneous	\$ 353.70	\$ 728.50	*\$ 374.80
<i>Health Department—</i>			
Miscellaneous	\$ 75.00	\$ 33.60	\$ 41.40
<i>Scavenger Department</i>	\$ 18,063.75	\$ 17,052.75	\$ 1,011.00
<i>Electrical Department</i>	\$ 3,688.80	\$ 3,422.20	\$ 266.60
TOTAL PUBLIC SAFETY.....	\$ 47,430.16	\$ 44,635.90	\$ 2,794.26
PUBLIC WORKS:			
<i>City Engineer—</i>			
Survey Fees	\$ 962.50	\$ 869.00	\$ 93.50
Building Permits	3,212.30	2,655.00	557.30
Plumbing and Sewer Inspection Fees	1,695.85	1,379.95	315.90
Other	900.50	563.20	337.30
TOTAL	\$ 6,771.15	\$ 5,467.15	\$ 1,304.00
<i>Street and Bridge Department</i>	\$ 566.99	\$ 3,347.94	*\$ 2,780.95
<i>Garbage Department</i> .....	.....	\$ 4.00	\$ 4.00
TOTAL PUBLIC WORKS.....	\$ 7,338.14	\$ 8,819.09	*\$ 1,480.95
REVENUE (Forward)	\$ 67,011.52	\$ 68,548.39	*\$ 1,536.87

* Decrease.

Exhibit "B"—Schedule No. 1.

(Continued)—1.

Revenue, Classified and Compared, for the Fiscal Years Ended February 28, 1911 and 1910—Continued.

	1911.	1910.	Increase or Decrease
REVENUE (<i>Forward</i>)	\$ 67,011.52	\$ 68,548.89	*\$ 1,536.87
PUBLIC INDUSTRIES:			
<i>Markets</i>	\$ 19,631.20	\$ 19,936.80	*\$ 305.10
<i>Auditorium</i>	\$ 50.00	.....	\$ 50.00
<i>Water Department—</i>			
Water Rates	\$ 199,888.72	\$ 196,413.58	\$ 3,475.44
Meter Rents	10,307.00	.....	10,307.00
Sundries	7,123.13	4,611.69	2,511.44
Services	6,920.25	8,637.70	* 1,717.45
TOTAL	\$ 224,239.10	\$ 209,662.97	\$ 14,576.13
TOTAL PUBLIC INDUSTRIES	\$ 243,920.30	\$ 229,599.27	\$ 14,321.03
PUBLIC EDUCATION, RECREATION AND ART:			
Schools	\$ 121,717.83	\$ 110,107.78	\$ 11,609.55
Cleveland Park	394.90	296.25	98.65
Sam Houston Park.....	337.50	276.00	61.50
TOTAL PUBLIC EDUCATION, RECREATION AND ART	\$ 122,449.73	\$ 110,680.03	\$ 11,769.70
TAXATION:			
<i>Ad Valorem Tax</i>	\$1,083,693.78	\$1,024,599.52	\$ 59,094.26
<i>Occupation Taxes—</i>			
Liquor	\$ 21,046.75	\$ 26,257.45	*\$ 5,210.70
Beer	5,992.15	6,936.05	* 943.90
Other	4,645.52	3,431.00	1,214.52
TOTAL	\$ 31,684.42	\$ 36,624.50	*\$ 4,940.08
<i>Poll Tax</i>	\$ 10,597.00	\$ 7,029.00	\$ 3,568.00
<i>Franchise Tax</i>	\$ 14,439.65	\$ 21,807.80	*\$ 7,368.15
TOTAL TAXATION	\$1,140,414.85	\$1,090,060.82	\$ 50,354.03
PREMIUM ON BONDS	\$ 51.00	\$ 1,000.00	*\$ 949.00
MISCELLANEOUS	\$ 8,604.36	\$ 24,080.91	*\$ 15,476.55
TOTAL ORDINARY REVENUES	\$1,582,451.76	\$1,523,969.42	\$ 58,482.34

Exhibit "B"—Schedule No. 1.

(Concluded)—2.

REVENUE—EXTRAORDINARY	\$ 14,862.32	\$ 15,000.00	*\$ 137.68
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* Decrease.

Exhibit "B"—Schedule No. 2.

**Expense, Classified and Compared, for the Fiscal Years Ended
February 28, 1911 and 1910.**

ORDINARY EXPENSE—

GENERAL GOVERNMENT:

Executive—

	1911.	1910.	Increase or Decrease
Mayor's Office:			
Salaries	\$ 4,000.00	\$ 4,000.00	.....
Other	845.66	713.65	\$ 132.01
TOTAL EXECUTIVE	\$ 4,845.66	\$ 4,713.65	\$ 132.01

Legislative—

City Council:			
Salaries	\$ 9,600.00	\$ 9,600.00	.....
City Secretary:			
Salaries	\$ 1,200.00	\$ 1,200.00	.....
Stationery and Printing.....	310.50	62.65	\$ 247.85
Other	383.50	224.10	159.40
TOTAL	\$ 1,894.00	\$ 1,486.75	\$ 407.25
TOTAL LEGISLATIVE	\$ 11,494.00	\$ 11,086.75	\$ 407.25

Law Department—

City Attorney:			
Salaries	\$ 10,074.95	\$ 9,271.96	\$ 802.99
Court Costs	2,663.50	1,821.62	841.88
Other	778.26	638.46	89.80
TOTAL LAW DEPARTMENT.....	\$ 13,516.71	\$ 11,732.04	\$ 1,734.67

Finance Department—

City Controller's Office:			
Salaries	\$ 4,971.30	\$ 4,350.00	\$ 621.30
Stationery and Printing.....	152.75	84.50	68.25
Other	92.30	385.15	* 292.85
TOTAL	\$ 5,216.35	\$ 4,819.65	\$ 396.70
City Treasurer:			
Salaries	\$ 600.00	\$ 600.00	.....
Stationery and Printing.....	.....	23.50	* \$ 23.50
TOTAL	\$ 600.00	\$ 623.50	* \$ 23.50
Assessor and Collector:			
Salaries	\$ 14,852.40	\$ 13,439.40	\$ 1,413.00
Advertising	735.03	655.70	79.33
Stationery and Printing.....	1,007.25	897.20	110.05
Other	530.57	796.10	* 265.53
TOTAL	\$ 17,125.25	\$ 15,788.40	\$ 1,336.85
TOTAL FINANCE DEPARTMENT.....	\$ 22,941.60	\$ 21,231.55	\$ 1,710.05
GENERAL GOVERNMENT (Forward).....	\$ 52,797.97	\$ 48,813.99	\$ 3,983.98

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—1.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1911 and 1910—Continued.

	1911.	1910.	Increase or Decrease
ORDINARY EXPENSE (Continued).			
GENERAL GOVERNMENT (<i>Forward</i>).....	\$ 52,797.97	\$ 48,813.99	\$ 3,983.98
<i>Miscellaneous—</i>			
City Hall:			
Repairs and Renewals.....	\$ 386.23	\$ 973.51	*\$ 587.28
Salaries—operation	2,515.25	1,441.60	1,073.65
Other—operation	2,022.05	1,392.52	629.53
TOTAL	\$ 4,923.53	\$ 3,807.63	\$ 1,115.90
Elections:			
Salaries—Judges and Clerks...\$	286.25	\$ 471.40	*\$ 185.15
Stationery and Printing.....	247.00	417.25	* 170.25
Other	152.69	157.61	* 4.92
TOTAL	\$ 685.94	\$ 1,046.26	*\$ 360.32
Damages Not Chargeable to Dep'ts:			
Injuries to Individuals.....\$	550.00	\$ 552.50	*\$ 2.50
Damages to Property.....	595.65	134.75	460.90
TOTAL	\$ 1,145.65	\$ 687.25	\$ 458.40
Interest on Bonded Debt.....\$	222,052.50	\$ 271,772.50	*\$ 49,720.00
Miscellaneous:			
Salaries	\$ 5,761.20	\$ 3,980.00	\$ 1,781.20
Other	52,613.19	37,462.37	15,150.82
TOTAL	\$ 58,374.39	\$ 41,442.37	\$ 16,932.02
Electric Lights	\$ 43,285.40	\$ 39,945.56	\$ 3,339.84
TOTAL MISCELLANEOUS	\$ 330,467.41	\$ 358,701.57	*\$ 28,234.16
TOTAL GENERAL GOVERNMENT.....\$	383,265.38	\$ 407,515.56	*\$ 24,250.18
ORDINARY EXPENSE (<i>Forward</i>).....\$	383,265.38	\$ 407,515.56	*\$ 24,250.18

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—2.

**Expense, Classified and Compared, for the Fiscal Years Ended
February 28, 1911 and 1910—Continued.**

	1911.	1910.	Increase or Decrease
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 383,265.38	\$ 407,515.56	*\$ 24,250.18
PUBLIC SAFETY:			
<i>Police Department—</i>			
Salaries	\$ 104,229.50	\$ 86,826.23	\$ 17,403.27
Repairs and Renewals of Wagons and Harness	31.25	17.20	14.05
Live Stock—replacement and keep District Attorney	1,097.70	476.48	621.22
Repairs and Renewals—buildings	471.00	200.00	* 200.00
Repairs and Renewals—equipment	6.45	258.03	212.97
Light and Heat.....	561.06	159.50	* 153.05
Subsistence of Prisoners.....	2,544.60	450.21	109.85
Stationery and Printing.....	245.35	4,307.80	* 1,663.20
Other	3,078.27	184.85	60.50
Repairs and Renewals—pound...	.....	1,991.81	1,086.46
Other Expenses—pound	505.65	9.00	* 9.00
	476.47	29.18	
TOTAL	\$ 112,770.83	\$ 95,357.58	\$ 17,513.25
<i>Corporation Court—</i>			
Salaries	\$ 1,800.00	\$ 1,800.00	.....
Other	117.50	95.20	\$ 22.30
TOTAL	\$ 1,917.50	\$ 1,895.20	\$ 22.30
<i>Fire Department—</i>			
Salaries	\$ 92,700.90	\$ 72,120.05	\$ 20,580.85
Repairs and Renewals of Buildings	2,690.51	1,312.78	1,377.73
Repairs and Renewals—furniture and bedding	39.55	691.05	* 651.50
Repairs and Renewals—equipment	14,777.71	6,546.74	8,230.97
Live Stock—replacement and keep	7,057.03	10,026.74	* 2,969.71
Fuel for Engines.....	1,411.75	441.10	970.65
Lubricants and Other Engine Sup- plies	707.45	231.04	476.41
Chemicals	236.24	47.10	189.14
Rent .....	.....	9.15	* 9.15
Light and Heat.....	2,406.28	2,690.12	* 283.84
Stationery and Printing.....	184.55	52.30	132.25
Other	2,231.79	1,063.41	1,168.38
TOTAL	\$ 124,443.76	\$ 95,231.58	\$ 29,212.18
PUBLIC SAFETY (<i>Forward</i>).....	\$ 239,132.09	\$ 192,384.36	\$ 46,747.73
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 383,265.38	\$ 407,515.56	*\$ 24,250.18

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—3.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1911 and 1910—Continued.

	1911.	1910.	Increase or Decrease
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 383,265.38	\$ 407,515.56	* \$ 24,250.18
PUBLIC SAFETY (<i>Forward</i>).....	\$ 239,132.09	\$ 192,384.36	\$ 46,747.73
<i>Health Department—</i>			
Salaries—superintendence	\$ 4,416.66	\$ 4,024.96	\$ 391.70
Salaries—inspectors	11,470.07	9,132.04	2,338.03
Repairs and Renewals—pest house	62.87	15.00	47.87
Operation—pest house	1,153.70	468.00	685.70
Quarantine Expense	6.00	43.50	* 37.50
Laboratory	1,677.39	.....	1,677.39
Drugs, Chemicals and Appliances.	2,014.57	3,527.26	* 1,512.69
Stationery and Printing.....	558.75	137.35	421.40
Other	3,940.83	586.74	3,354.09
TOTAL	\$ 25,300.84	\$ 17,934.85	\$ 7,365.99
<i>Scavenger Department—</i>			
Salaries and Wages.....	\$ 10,688.02	\$ 9,563.07	\$ 1,124.95
Repairs and Renewals—equipment	531.94	458.16	73.78
Live Stock—replacement and keep	810.42	928.54	* 118.12
Stationery and Printing.....	161.40	90.50	70.90
Other	70.65	267.44	* 196.79
TOTAL	\$ 12,262.43	\$ 11,307.71	\$ 954.72
<i>Electrical Department—</i>			
Salaries—superintendence	\$ 1,800.00	\$ 1,800.00	.....
Salaries—inspectors	1,255.00	1,357.50	* 102.50
Repairs and Renewals—fire alarm telegraph	3,549.79	1,381.50	2,168.29
Other	2,798.17	860.08	1,938.09
TOTAL	\$ 9,402.96	\$ 5,399.08	\$ 4,003.88
TOTAL PUBLIC SAFETY.....	\$ 286,098.32	\$ 227,026.00	\$ 59,072.32
PUBLIC WORKS:			
<i>Engineer's Department—</i>			
Salaries	\$ 9,729.90	\$ 9,050.70	\$ 679.20
Repairs and Renewals—instru- ments	309.50	4.95	304.55
Stationery and Printing.....	299.91	181.81	118.10
Other	381.77	394.29	* 12.52
TOTAL	\$ 10,721.08	\$ 9,631.75	\$ 1,089.33
PUBLIC WORKS (<i>Forward</i>).....	\$ 10,721.08	\$ 9,631.75	\$ 1,089.33
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 669,363.70	\$ 634,541.56	\$ 34,822.14

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—4.

**Expense, Classified and Compared, for the Fiscal Years Ended
February 28, 1911 and 1910—Continued.**

	1911.	1910.	Increase or Decrease
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 669,363.70	\$ 634,541.56	\$ 34,822.14
PUBLIC WORKS (<i>Forward</i>).....	\$ 10,721.08	\$ 9,631.75	\$ 1,089.33
<i>Street and Bridge Department—</i>			
Salaries—superintendence	\$ 4,565.00	\$ 3,462.60	\$ 1,102.40
Repairs and Renewals—buildings.....	35.80	.....	35.80
Repairs and Renewals—equipment.....	7,632.21	6,297.57	1,334.64
Repairs and Renewals—bridges..	23,143.36	27,769.72	* 4,626.36
Live Stock—replacement and keep.....	10,673.89	11,113.04	* 439.15
Street Cleaning	34,195.69	29,997.69	4,198.00
Street Repairing	31,353.40	29,293.30	2,060.10
Other	1,932.17	1,041.31	890.86
TOTAL	\$ 113,531.52	\$ 108,975.23	\$ 4,556.29
<i>Garbage Department—</i>			
Salaries	\$ 21,918.38	\$ 17,444.90	\$ 4,473.48
Repairs and Renewals—equipment.....	17.00	17.12	* .12
Live Stock—replacement and keep.....	.....	2.50	* 2.50
Other	27.90	23.50	4.40
TOTAL	\$ 21,963.28	\$ 17,488.02	\$ 4,475.26
<i>Sewer Department—</i>			
Sanitary Sewer System—pumping station operation	\$ 13,718.72	\$ 13,196.45	\$ 522.27
Sanitary Sewer System—pumping station, repairs and renewals....	2,730.86	2,080.51	650.35
Sanitary Sewer System—filter beds.....	5,147.29	5,130.00	17.29
Sanitary Sewer System—other....	317.63	146.10	171.53
Sewers—repairs and renewals....	3,548.51	3,613.96	* 65.45
Sewer Inspections	1,600.00	1,500.00	100.00
Other	553.95	563.00	* 9.05
TOTAL	\$ 27,616.96	\$ 26,230.02	\$ 1,386.94
Asphalt	\$ 9,741.42	\$ 10,962.33	*\$ 1,220.91
TOTAL PUBLIC WORKS.....	\$ 183,574.26	\$ 173,287.35	\$ 10,286.91
PUBLIC INDUSTRIES:			
<i>Markets—</i>			
Salaries	\$ 4,373.35	\$ 4,732.99	**\$ 359.64
Repairs and Renewals of Buildings.....	986.06	2,690.16	* 1,704.10
Other	3,181.06	2,465.41	715.65
TOTAL	\$ 8,540.47	\$ 9,888.56	*\$ 1,348.09
PUBLIC INDUSTRIES (<i>Forward</i>).....	\$ 8,540.47	\$ 9,888.56	*\$ 1,348.09
ORDINARY EXPENSE (<i>Forward</i>).....	\$ 852,937.96	\$ 807,828.91	\$ 45,109.05

* Decrease.

Exhibit "B"—Schedule No. 3.

(Continued)—5.

Expense, Classified and Compared, for the Fiscal Years Ended February 28, 1911 and 1910—Continued.

	1911.	1910.	Increase or Decrease
ORDINARY EXPENSE (Forward)	\$ 852,937.96	\$ 807,828.91	\$ 45,109.05
PUBLIC INDUSTRIES (Forward)	\$ 8,540.47	\$ 9,888.56	*\$ 1,348.09
<i>Water Department—</i>			
Salaries—operation	\$ 14,034.50	\$ 12,736.36	\$ 1,298.14
Fuel	25,538.99	36,654.13	* 11,115.14
Lubricating Oil and Waste.....	1,273.20	1,387.49	* 114.29
Machinery Repairs	2,462.61	3,002.28	* 539.67
Building Repairs	370.89	4,442.20	* 4,071.31
Other Expenses—pump house....	3,843.39	1,326.27	2,517.12
Salaries—office	11,335.00	9,971.45	1,363.55
Repairs—street service	4,592.54	7,182.59	* 2,590.05
Service Connections	4,198.37	7,788.85	* 3,590.48
Other	2,683.36	2,039.54	643.82
Animals—replacement and keep..	1,166.74	.....	1,166.74
Meter Repairs	3,269.99	.....	3,269.99
Interest on Bonded Debt.....	54,220.00	.....	54,220.00
TOTAL	\$ 128,989.58	\$ 86,531.16	\$ 42,458.42
<i>Auditorium</i>	\$ 355.50	.....	\$ 355.50
TOTAL PUBLIC INDUSTRIES	\$ 137,885.55	\$ 96,419.72	\$ 41,465.83
PUBLIC EDUCATION, RECREATION AND ART:			
<i>Schools—</i>			
Salaries	\$ 228,933.14	\$ 205,418.97	\$ 23,514.17
Building Repairs	9,024.91	4,741.08	4,283.83
Repairs and Renewals—furniture and fixtures	7,070.71	4,076.25	2,994.46
Laboratories	1,067.53	1,197.64	* 130.11
Other School Supplies.....	2,494.28	2,395.39	98.89
School Libraries	420.14	233.53	186.61
Rent of Sites and Buildings.....	942.50	896.00	46.50
Primary and Kindergarten.....	1,396.39	967.27	429.12
Light and Heat.....	6,444.98	4,808.43	1,636.55
Stationery and Printing.....	1,811.41	1,750.15	61.26
Fire Insurance	4,765.17	3,236.76	1,528.41
Permanent Improvements .....	.....	2,539.00	* 2,539.00
Manual Training	4,517.42	4,682.71	* 165.29
Domestic Science	3,522.77	5,297.55	* 1,774.78
Other	3,749.38	1,756.64	1,992.74
TOTAL	\$ 276,160.73	\$ 243,997.37	\$ 32,163.36
<i>Parks—</i>			
Salaries	\$ 1,009.08	\$ 840.00	\$ 169.08
Repairs and Renewals—buildings	52.85	26.24	26.61
Repairs and Renewals—equipment	43.71	240.57	* 196.86
Maintenance of Grounds.....	2,788.27	3,332.81	* 544.54
Other	4,885.05	3,257.27	1,627.78
TOTAL	\$ 8,778.96	\$ 7,696.89	\$ 1,082.07
<i>Houston Lyceum and Carnegie Li- brary</i>	\$ 9,500.00	\$ 8,500.00	\$ 1,000.00
<i>Cleveland Park</i>	\$ 866.39	\$ 770.20	\$ 96.19
TOTAL PUBLIC EDUCATION, RECRE- ATION AND ART	\$ 295,306.08	\$ 260,964.46	\$ 34,341.62
TOTAL ORDINARY EXPENSE	\$1,286,129.59	\$1,165,213.09	\$120,916.50

* Decrease.

Exhibit "B"—Schedule No. 3.

(Concluded)—6.

**Expense, Classified and Compared, for the Fiscal Years Ended
February 28, 1911 and 1910—Continued.**

	1911.	1910.	Increase or Decrease
EXTRAORDINARY EXPENSE:			
<i>Refund Paving Certificates.....</i>	\$ 21,869.31	\$ 23,952.91	*\$ 2,083.60
<i>Certificates of Indebtedness, Storrie</i>	10,300.00	10,600.00	* 300.00
TOTAL EXTRAORDINARY EXPENSE...\$	32,169.31	\$ 34,552.91	*\$ 2,383.60

Exhibit "B"—Schedule No. 4.

Permanent Improvements from General Revenue.

	1911.	1910.	Increase or Decrease
PERMANENT IMPROVEMENTS:			
<i>Miscellaneous—Exhibit "C"</i>	\$ 128,472.40	\$ 108,432.67	\$ 20,039.73
<i>Auditorium</i>	244,734.58	99,922.79	144,811.79
<i>Houston Ship Channel.....</i>	21,369.85	21,474.51	* 104.66
<i>Law Department</i>	150.00	98.10	51.90
<i>City Hall</i>	447.25	663.92	* 216.67
<i>Police Department</i>	64.10	3,323.43	* 3,259.33
<i>Electrical Department</i>	29,747.00	15,057.93	14,689.07
<i>Street and Bridge Department.....</i>	3,892.97	19,458.84	* 15,565.87
<i>Sewer Department</i>	34.65	.....	34.65
<i>Water Department</i>	88,594.91	81,142.99	7,451.92
<i>Parks</i>	183.70	393.13	* 209.43
<i>Fire Department</i>	350.00	.....	350.00
TOTAL PERMANENT IMPROVEMENTS..\$	518,041.41	\$ 349,968.31	\$168,073.10

* Decrease.

Exhibit "B"—Schedule No. 5.

Itemized Statement of Miscellaneous Improvements Shown in Exhibit "B"—Schedule No. 5.

WHARVES AND SLIPS	\$ 33,109.89	
CREMATORY	6,050.00	
VIADUCT—MAIN STREET	1,867.15	
OPENING STREETS	3,695.63	
FILTER BEDS	892.50	
SANITARY SEWER	273.80	
DRAINAGE SEWERS:		
McGowen Avenue	\$ 2,548.81	
Main Street	123.67	
TOTAL DRAINAGE SEWERS.....		2,672.48
STREETS AND BRIDGES:		
Bridges	\$ 1,189.74	
Street Signs	4,500.01	
Bulkhead—Preston Avenue	900.00	
Retaining Wall—Texas Avenue.....	2,291.34	
TOTAL STREETS AND BRIDGES.....		8,881.09
FIRE DEPARTMENT:		
Central Station	\$10,854.82	
Engine House No. 2.....	21,813.42	
TOTAL FIRE DEPARTMENT.....		32,668.24
SCHOOLS:		
Fannin	\$31,481.97	
Jones	237.75	
Rusk	1,567.50	
Longfellow	591.40	
Douglas	1,337.00	
Gregory	648.00	
Chaneyville	2,498.00	
TOTAL SCHOOLS		38,361.62
TOTAL MISCELLANEOUS IMPROVEMENTS.....		<u><u>\$128,472.40</u></u>

Exhibit "C".

**Statement of Bond Fund Disbursements, Year Ended
February 28, 1911.**

PAVING BOND FUND:

Cash on hand February 28, 1910.....\$ 35,223.82
Cash proceeds Bond Issue, September 27, 1910..... 101,888.50

TOTAL CASH AVAILABLE FOR PAVING.....\$137,112.32

DISBURSEMENTS.

Street.	Amount.
Baldwin	\$ 671.10
Burton	289.90
Bremond	889.40
Buffalo	1,623.80
Bute Addition	8,623.60
Chapman	114.50
Cochran	24.90
Crosby	1,402.30
Congress	1,691.40
Bell	816.30
Chenevert	106.40
Crawford	159.75
Bayland	2,874.25
Crockett	309.65
Dennis	1,924.15
Dart	346.65
Drew	655.70
Engelke	4,398.45
Elysian	1,328.25
First Ward Cemetery	92.00
German	299.35
Gray	3,182.69
Garrott	362.35
Hardy	2,178.90
Harrisburg	1,886.30
Henry	117.85
Harrington	440.75
Ford	412.50
Isabella	562.95
Jackson	159.75
Jefferson	14.40
Leeland	1,772.90
Louisiana	614.00
Hemphill	138.20
Main	12,941.08
MacGregor	405.80
Mason	1,812.19
Liberty	906.70
Polk	392.70
Preston	437.31
Providence	1,387.20
Runnells	909.45
FORWARD .....	..\$59,672.77

Exhibit "D".

(Continued)—1.

**Statement of Bond Fund Disbursements, Year Ended
February 28, 1911—Continued.**

FORWARD	\$59,672.77
Rosette	\$ 61.00
San Jacinto	14,438.23
San Felipe	4,512.18
Scott	4,128.36
Stuart	3,601.84
Sampson	853.25
Sherman	760.25
Sinclair	123.90
Shearn	83.00
Travis	6,400.63
Texas	970.85
Valentine	88.00
Woodland Heights	1,373.20
Erichson	279.85
Washington	4,405.38
Welch	1,815.30
Whitty	54.90
TOTAL PAVING	\$103,122.89
LESS UNPAID PAVING VOUCHERS.....	215.00
NET DISBURSEMENTS	\$102,907.89
BALANCE ON HAND FEBRUARY 28, 1911, Exhibit "A"	\$ 34,204.43

**Statement of Bond Fund Disbursements, Year Ended
February 28, 1911—Concluded.**

WHARVES AND SLIPS BOND FUND:	
Cash on hand February 28, 1910.....	\$ 88,429.11
<i>Disbursements:</i>	
Constructing Wharves and Slips, Turning Basin.....	88,429.11
<hr/>	
SANITARY SEWER BOND FUND:	
Cash on hand February 28, 1910.....	\$182,859.74
Cash received from Bills for Collection.....	503.88
<hr/>	
TOTAL CASH AVAILABLE FOR SANITARY SEWERS.....	\$182,763.62

DISBURSEMENTS.

	Amount.
First and Sixth Wards.....	\$11,324.44
Fifth Ward	88,076.40
Fourth Ward	13,219.83
South Side Filter Beds.....	24,625.00
Milby Street	445.00
Hamilton Street	796.50
Hutchins and Calhoun Streets.....	500.00
Lamar School	109.35

TOTAL SANITARY SEWERS.....	\$139,096.52
Pipe Sold Other Departments.....	1,007.76

TOTAL	\$140,104.28
Less Unpaid Vouchers.....	302.41

NET DISBURSEMENTS	139,801.87
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BALANCE ON HAND FEBRUARY 28, 1911, Exhibit "A"	\$ 42,961.75
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DRAINAGE SEWER BOND FUND:	
Cash on Hand February 28, 1910.....	\$186,759.66

DISBURSEMENTS.

	Amount.
Austin Street Storm Sewer.....	\$176,338.85
Alamo Street	600.00
Young's Avenue	938.50
Texas Avenue	1,746.85
Prairie Avenue	252.33
McGowen Avenue	6,883.13

TOTAL	\$186,759.66
Less Unpaid Vouchers.....	1.87

NET DISBURSEMENTS	\$186,757.79
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BALANCE ON HAND FEBRUARY 28, 1911, Exhibit "A"	\$ 1.87
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Exhibit "D".

(Concluded)—3.

Statement of Department Expenses for the Year Ended February 28, 1911, Showing Budget Allowances and Expenses.

	Amount Appropriated	Amount Expended	Expended More than Appropriated	Expended Less than Appropriated
EXECUTIVE:				
Mayor	\$ 5,000.00	\$ 4,845.66	.....	\$ 154.34
LEGISLATIVE:				
City Secretary	1,500.00	1,894.00	394.00	.....
City Council	9,600.00	9,600.00	.....	.....
LAW DEPARTMENT:				
City Attorney	10,500.00	13,516.71	3,016.71	.....
FINANCE DEPARTMENT:				
Controller	4,250.00	5,216.35	966.35	.....
Treasurer	620.00	600.00	.....	20.00
Assessor and Collector...	13,500.00	17,125.25	3,625.25	.....
MISCELLANEOUS DEPARTMENTS:				
City Hall	3,000.00	4,923.53	1,923.53	.....
Elections	1,000.00	685.94	.....	314.06
Damages Not Chargeable to Departments	1,000.00	1,145.65	145.65	.....
Interest on Bonds	222,400.00	222,052.50	.....	347.50
Miscellaneous Expenses..	15,000.00	58,374.39	43,374.39	.....
Electric Lights	50,000.00	43,285.40	.....	6,714.60
PUBLIC SAFETY:				
Police Department	100,000.00	112,770.83	12,770.83	.....
Corporation Court	1,900.00	1,917.50	17.50	.....
Fire Department	100,000.00	124,443.76	24,443.76	.....
Health Department	16,000.00	25,300.84	9,300.84	.....
Scavenger Department...	13,000.00	12,262.43	.....	737.57
Electrical Department....	5,500.00	9,402.96	3,902.96	.....
PUBLIC WORKS:				
Engineer	12,000.00	10,721.08	.....	1,278.92
Street and Bridge	85,000.00	113,531.52	28,531.52	.....
Garbage	16,000.00	21,963.28	5,963.28	.....
Sewer	25,000.00	27,616.96	2,616.96	.....
Asphalt .....	.....	9,741.42	9,741.42	.....
PUBLIC INDUSTRIES:				
Market	7,000.00	8,540.47	1,540.47	.....
Water Dept., Expenses...	80,000.00	74,769.58	.....	5,230.42
Water Dept., Int. on Bonds	55,000.00	54,220.00	.....	780.00
Auditorium .....	.....	355.50	355.50	.....
PUBLIC EDUCATION, RECREATION AND ART:				
Schools	246,968.75	276,160.73	29,191.98	.....
Parks	9,000.00	9,645.35	645.35	.....
Carnegie Library	9,500.00	9,500.00	.....	.....
EXTRAORDINARY:				
Storrie Certificates	10,300.00	10,300.00	.....	.....
Refund Paving Cert'cates	21,000.00	21,869.31	869.31	.....
Houston Ship Channel...	20,000.00	21,369.85	1,369.85	.....
Permanent Improvements	.....	496,671.56	496,671.56	.....
TOTAL	\$1,170,538.75	\$1,835,984.81	\$681,023.47	\$15,577.41
		1,170,538.75	15,577.41	
		\$ 665,446.06	\$665,446.06	

Exhibit "E".



ANNUAL REPORT

OF

T. C. DUNN,
CITY TREASURER,

For the Year Ending February 28, 1911.

Annual Report of T. C. Dunn, City Treasurer,

For Fiscal Year Ending February 28, 1911.

RECEIPTS.

1910.	Sinking Fund.	General Fund.	Special Fund.	Water Dept. Fund.	Bond Paying Fund.	Bond Issues Oct. 26, 1908 Fund.	Public School Fund.
March	.....	\$ 96,762.22	\$ 300.00	\$ 16,657.46	.....	.....	\$ 64,289.00
April	.....\$4,220.00	97,080.67	420.00	22,656.71	.....	.....	18,148.51
May	.....	89,658.03	495.00	13,888.79	.....	.....	55,359.50
June	.....	187,876.96	445.00	17,489.73	.....	.....	4,335.75
July	.....	216,649.95	520.00	17,947.36	.....	\$ 508.88	620.44
August	.....	113,934.75	3,060.00	18,393.03	.....	.....	38,187.10
September	.....	152,268.18	470.00	17,278.54	.....	.....	2,692.24
October	.....	106,313.37	500.00	17,264.71	.....	.....	3,133.75
November	.....	115,668.32	745.50	12,667.77	.....	.....	6,170.75
December	.....	484,801.33	245.00	18,108.99	.....	.....	13,304.25
1911.							
January	.....	240,338.31	565.00	17,481.53	.....	.....	9,153.00
February	.....	127,135.30	655.00	24,304.60	\$101,888.50	.....	52,795.71
Total receipts for fiscal year ending February 28, 1911.....	\$4,220.00	\$2,028,476.38	\$8,430.50	\$214,039.22	\$101,888.50	\$ 503.88	\$268,690.00
Balances brought over from last fiscal year ending Feb. 28, 1910.....		17,696.67	1,101.70	10,835.23	35,223.82	457,448.51	1,695.69
	\$4,220.00	\$2,046,173.05	\$9,532.20	\$224,874.45	\$137,112.32	\$457,952.39	\$270,385.69

DISBURSEMENTS.

	Slaking Fund.	General Fund.	Special Fund.	Water Dept. Fund.	Bond Paying Fund.	Bond Issues Oct. 26, 1908 Fund.	Public School Fund.
1910.							
March	.....	\$ 64,221.15	\$ 370.00	\$ 22,889.54	\$ 3,710.70	\$ 31,480.80	\$ 62,184.40
April	.....	84,928.03	435.00	14,675.60	19,332.98	53,420.86	43,996.08
May	.....	134,934.09	90.00	10,222.71	6,327.96	76,257.30	32,925.81
June	.....	193,518.85	1,015.00	11,683.70	9,659.65	41,523.58	28,601.22
July	.....	188,732.85	95.00	13,577.16	.....	26,091.89	6,856.83
August	.....	141,645.92	195.00	46,407.60	.....	43,058.35	8,758.64
September	.....	177,306.60	745.00	11,518.12	.....	30,682.61	11,404.88
October	.....	172,762.19	660.00	11,320.21	.....	31,219.48	27,362.87
November	.....	163,623.15	520.00	11,258.35	.....	24,123.71	38,474.09
December	.....	196,139.47	410.00	30,169.36	.....	22,900.84	44,878.49
1911.							
January	.....	322,597.46	795.00	8,577.29	.....	12,138.19	16,594.37
February	.....	194,032.19	520.50	32,539.08	63,376.60	22,091.16	27,093.01
Total disbursements for fiscal year ending Feb. 28, 1911.....		\$2,044,441.95	\$5,850.50	\$224,898.72	\$102,907.89	\$414,988.77	\$343,130.69
Balances on hand.....	\$4,220.00	1,731.10	3,671.70	35.73	34,204.43	42,963.62	* 72,745.00
	\$4,220.00	\$2,046,173.05	\$9,522.20	\$224,874.45	\$137,112.32	\$457,952.39	\$270,385.69

* Deficit.

STATE OF TEXAS, }
COUNTY OF HARRIS. } SS

This affiant, T. C. Dunn, City Treasurer, being first duly sworn, says that the foregoing is a full and true statement of all matters relating thereto for the period covered by this report to the best of his knowledge and belief.

T. C. DUNN,
City Treasurer.

Subscribed and sworn to before me this 4th day of March, 1911.

(SEAL)

D. W. COOLEY,
Notary Public, Harris County, Texas.

ANNUAL REPORT

OF

JAMES P. WELSH,
CITY ASSESSOR AND COLLECTOR,

**SHOWING COLLECTION AND
DISPOSITION OF TAXES**

For the Year Ending February 28, 1911.

REPORT OF CITY ASSESSOR AND COLLECTOR.

HOUSTON, TEXAS, March 6, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—In compliance with Article VII, Section 10, requiring the head of each department to make his annual report each year, the following for the year 1910 is respectfully submitted.

The assessed valuation for said year is—

Rendered Roll	\$58,015,213.00
Unrendered Roll	4,422,820.00
Supplemental Roll	1,308,660.00
	<hr/>
	\$63,746,693.00

Showing a natural increase in value of \$3,486,033.00 for 1910, as no raise in values was made by the Board of Appraisalment. The tax rate being \$1.70 per \$100.00 valuation, would make taxes to be collected \$1,083,693.78, of which about 97 per cent has been paid. The collections and disbursements for the fiscal year speak for themselves, as hereto attached.

I would recommend an appropriation of \$15,000.00 for the next fiscal year 1911.

Yours truly,

JAS. P. WELSH,
City Assessor and Collector.

Report of Collections and Distributions for the Year Commencing March 1, 1910, and Ending February 28, 1911.

COLLECTIONS.

Ad Valorem Tax—Bonds	\$531,420.26	
General	531,420.43	\$1,062,840.69
Costs—Interest	\$ 6,614.33	
Advertising and other.....	2,881.52	
Court	1,356.42	10,852.27
Occupation Tax—Liquor	\$ 21,046.75	
Beer	5,992.15	
Other	4,644.97	31,683.87
Poll Tax	\$ 10,596.00	10,596.00
Franchise Tax	\$ 14,439.65	14,439.65
Special Deposits	\$ 8,510.50	
Permits and Fees.....	6,757.65	
Miscellaneous	66,307.35	
Bills for Collection.....	23,695.19	
Bills for Collection.....	503.88	105,774.57
Water Department	\$215,488.34	215,488.34
		\$1,451,675.39
Balance on hand February 28, 1910.....		4,939.76
Total		<u>\$1,456,615.15</u>

DISTRIBUTIONS.

Deposited with City Treasurer:		
March, 1910.....	\$ 35,667.55	
April, ".....	38,858.59	
May, ".....	28,245.01	
June, ".....	145,604.02	
July, ".....	154,552.14	
August, ".....	59,949.37	
September, ".....	75,531.72	
October, ".....	43,446.05	
November, ".....	53,811.83	
December, ".....	502,808.67	
January, 1911.....	253,884.09	
February, ".....	62,158.91	\$1,454,517.95
Balance on hand February 28, 1911.....		2,097.20
Total		<u>\$1,456,615.15</u>

ANNUAL REPORT

OF

T. C. TARVER, JR.,

CITY ENGINEER,

For the Year Ending February 28, 1911.

REPORT OF CITY ENGINEER.

HOUSTON, TEXAS, March 1, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I have the honor to submit herewith a report of the operations of the Engineering Department for the year ending February 28, 1911.

REVIEW.

The year ending February 28, 1910, was a remarkable one indeed in the way of industrial advancement and municipal progression, but it was only as a stepping-stone to this year. The year ending February 28, 1911, will go down in the history of our city as the real foundation for "Greater Houston." More was done toward the building of a great city during the past year in Houston than has been done in any one year previous for cities with many times our population. The greatest step taken toward progression by far was the passage by unanimous vote, we might say, for the issue of deep water and Main Street viaduct bonds. This will attract capital, which, in turn, brings the labor of the country to our city.

The new Auditorium, built by the Commission out of the general revenue, is a monument to this city. This magnificent building puts our city in a position to ask for and encourage the conventions of the country to be our guests, and thus advertise our city to the world. It also, in turn, gives our citizens a chance to see and hear the country's greatest men.

The completion of the Austin Street storm sewer to Elgin Avenue, Harris County's new court house, the new terminal

station, the Carter building, the extensions of our sewer and water mains, the increase of our pavements to one and one-half times that of last year, the extension of our car lines, breaking of ground for the Rice Institute buildings, the completion of the steel frame for the Sunset building, and near completion of the Bender Hotel, the removal of the unsightly poles from Main and other streets of our city, the extension of the gas main, the breaking of ground for the two telephone companies' buildings, the near completion of the Federal building, and the numerous other improvements carried on by private parties and corporations, mark a great progress for our city, and enhance the value of property many thousand dollars.

SANITARY SEWERS.

The completion of the Fifth Ward sanitary sewer gives this portion of the town one of the best mains of the city, and will provide in the future for thorough sewerage of this part of the city.

The work on the First and Sixth Ward sewers is also a noted improvement for the northwest section of town, and has advanced property valuation in this section.

The Fourth Ward sanitary sewer has also been completed, and numerous private laterals have been laid, running in all directions from this main.

This work was done under Engineer F. L. Dormant's office, and will be tabulated in his report.

The report of Sewer Inspector John Heffernan shows the operation of this department, and is indeed a marked improvement shown in extension of sewer mains over the report of last year.

Fifteen-inch, ten-inch and eight-inch mains have been constructed in the southwest section of our city by the Houston Land Corporation, and marked improvement has begun to show in this section.

The Board of Plumbing Examiners was installed and has been a great aid to our Plumbing Inspector in his work.

PAVEMENTS.

There were thirteen and one-half miles of pavements laid in the city during the twelve months ending February 28, 1911, at a cost of \$135,000.00, besides the amount expended by the Street and Bridge Department in maintaining those previously constructed, and not including the many pavements now under construction, which are tabulated further on. The rapid growth of Houston has made the extensive paving work necessary, and also increased the repairs to present pavements.

ASPHALT REPAIRS.

An increase of 3,742.69 square yards of asphalt is shown in our repair work this year over that of last year.

The total repair work done on asphalt was 14,299.89 square yards, or 9 per cent of our total yardage. However, this is not a deterioration of 9 per cent, for 3 per cent of the total repairs was due to excavating for underground pipe, and was replaced at the expense of the corporation making these excavations.

Mr. J. W. Link, for the Houston Land Corporation, is constructing eleven blocks of Texas Co. asphalt paving in the addition he is now improving.

BRICK PAVEMENTS.

The brick paving for the past twelve months include:

Main Street from Berry to G. H. & S. A. Ry. crossing.

San Jacinto Street from Leeland Avenue to McGowen Avenue.

Travis Street from Leeland Avenue to Dallas Street.

These were constructed by Contractor A. T. Lucas, and are in the busy section of the city.

Washington Avenue from Fifth to Eighth Street was done by the city itself, and passes in front of the Houston & Texas Central R. R. depot.

Crawford Street from Prairie Avenue was resurfaced and put on a concrete foundation by the Belt and Terminal Co. in front of their new depot.

SHELL PAVEMENTS.

Eleven and one-half miles of shell pavement was laid during the past twelve months in all sections of the city. This pavement has become very popular, and petitions rush in from all sections asking for this class of paving. The tabulation shows five and two-tenths blocks now under actual construction by the city, and seventy-three blocks partially completed by Mr. J. W. Link, of the Houston Land Corporation, in his new subdivision. This paving is to have an asphalt dust-proof topping.

GRAVEL STREETS.

Twelve hundred feet of gravel pavement was constructed during the year, and five blocks on Tenth Street is now under construction.

Extensive work was done by the Street and Bridge Department on gravel repairs.

I wish, also, to state here that Commissioner Jack Kennedy had his men grade some of the shell streets, which materially aided us when we were rushed.

SIDEWALKS AND CURBS.

So extensive has been the work of curb and sidewalks, that the office force at present is not large enough to keep up better than seven days behind permits. This work, for the most part, has been taken up systematically by property owners—working out whole districts, and asking that all join in this work.

SURVEYS, ESTIMATES AND PLANS.

The fees received from surveys for the twelve months ending February 28, 1911, show an increase of 10 per cent over last year.

A large per cent of these were surveys for buildings, and are within the business district of the city. The survey crew during the past year re-run the Main Street centers, and have begun sectional surveys of the city. They have

set curb and sidewalk grades, together with making drainage surveys over many sections of the city.

As there are a great deal of improvements in the way of new additions springing up throughout the entire city, a great deal of the crew's time is occupied making these fit other parts of the town.

The report of Building Inspector W. X. Norris is herewith inclosed, and shows a slight decrease in buildings over last year.

RECOMMENDATIONS.

I wish to recommend, first, that plats of all proposed additions, or subdivisions of property within the corporate limits, be approved by the City Engineer before said addition, or subdivision, be accepted by the city—in order that our street lines may be made continuous and our drainage not be tampered with.

CONCLUSION.

I desire to express my thanks to you and the Commissioners, and every department connected with the city, for courtesy and systematic co-operation; also to commend each member of this department for the faithful discharge of his duty. And to thank all parties that have aided us with their co-operation in bringing about the many things accomplished.

Respectfully submitted,

T. C. TARVER, JR.,
City Engineer.

New Pavements for the Year 1911.

BRICK PAVEMENTS.

Main Street, from Berry Avenue to G. H. & S. A. Ry...... 10 Blocks
 Length 2,813 ft.
 Width 35 ft.
 Square yards 10,930.34
 Cost\$27,747.95
 Cost per square yard..... \$2.538
 (N. B.—4-inch concrete foundation, 1-inch sand cushion, Coffeyville brick with asphalt filler.)

San Jacinto Street, from Leeland to McGowen Avenue...... 10 Blocks
 Length 3,095 ft.
 Width 35 ft.
 Square yards 11,965.33
 Total cost\$30,318.41
 Cost per square yard..... \$2.617
 (N. B.—4-inch concrete foundation, 1½-inch sand cushion, Coffeyville brick, with asphalt filler.)

Travis Street, from Dallas to Leeland Avenue...... 4 Blocks
 Length 1,317.5 ft.
 Width 35 ft.
 Square yards 3,994.94
 Total cost\$11,570.57
 Deductions (Houston Electric Company)..... 1,542.57
 Total cost to City.....\$10,028.00
 Cost per square yard..... \$2.535
 (N. B.—4-inch concrete foundation, 1½-inch sand cushion, Coffeyville brick, with asphalt filler.)

Washington Avenue, from Fifth to Eighth Streets...... 3 Blocks
 Length 1,038 ft.
 Width 54 ft.
 Square yards 7,461.28
 Deductions (Houston Electric Company)..... \$392.90
 Total cost to City..... \$7,218.68
 Cost per square yard..... \$1.62
 (N. B.—Street resurfaced on old 5-inch concrete foundation already in place, 2-inch sand cushion, Coffeyville brick.)

THE FOLLOWING STREETS TO BE PAVED WITH BRICK WITHIN THE NEXT THREE MONTHS.

Washington Avenue, from Brashear Street to G. H. & S. A. Ry.

ASPHALT REPAIRS.

Total square yards.....	14,299.89
Cost, labor and material.....	\$17,315.73
Deductions (Houston Electric Co. and others).....	\$7,042.64
Material on hand.....	\$307.54
Total cost to City.....	\$9,965.55
Cost per square yard.....	\$0.696

SHELL PAVEMENTS.

<i>Isabella Avenue, from Fannin to Travis Street.....</i>	2 Blocks
Length	542 ft.
Width	26 ft.
Square yards	566
Total cost	\$562.95
Cost per square yard.....	\$0.36
<i>Bremond Avenue, from Main to San Jacinto Street.....</i>	2 Blocks
Length	625 ft.
Width	30 ft.
Square yards	2,083
Total cost	\$889.40
Cost per square yard.....	\$0.427
<i>Leeland Avenue, from Sampson to Milby Street.....</i>	5 Blocks
Length	1,475 ft.
Width (Scott to Milby).....	20 ft.
Width (Scott to Sampson).....	40 ft.
Square yards	4,791
Total cost	\$1,772.90
Cost per square yard.....	\$0.370
<i>Gray Avenue, from Main to Sherman Street.....</i>	6½ Blocks
Length	1,994 ft.
Width	35 ft.
Square yards	7,190
Total cost	\$2,387.00
Cost per square yard.....	\$0.332
<i>Baldwin Street, from Calhoun to Webster Street.....</i>	3 Blocks
Length	989 ft.
Width	35 ft.
Square yards	3,846
Total cost	\$1,276.79
Cost per square yard.....	\$0.332
<i>Polk Avenue, from Main to Travis Street.....</i>	1 Block
Length	296 ft.
Width	35 ft.
Square yards	1,151
Total cost	\$392.70
Cost per square yard.....	\$0.341

<i>Travis Street, Holman to Alabama Avenue</i>	3 Blocks
Length	770 ft.
Width	35 ft.
Square yards	2,995
Total cost	\$653.80
Cost per square yard.....	\$0.218
<i>Mason Street, from McCrae to Pacific Street</i>	7 Blocks
Length	1,945 ft.
Width	25 ft.
Square yards	5,404
Total cost	\$1,769.69
Cost per square yard.....	\$0.328
<i>Texas Avenue, from Milam to Louisiana Street</i>	1 Block
Length	283 ft.
Width	60 ft.
Square yards	1,887
Total cost	\$790.85
Cost per square yard.....	\$0.42
<i>Louisiana Street, from Texas to Capitol Avenue</i>	1 Block
Length	353 ft.
Width	35 ft.
Square yards	1,373
Total cost	\$614.00
Cost per square yard.....	\$0.447
<i>Drew Avenue, from Austin to Crawford Street</i>	2 Blocks
Length	410 ft.
Width	25 ft.
Square yards	1,140
Total cost	\$639.70
Cost per square yard.....	\$0.561
<i>Bayland Avenue, from Houston Avenue to Julien Street</i>	8 Blocks
Length	3,088 ft.
Width	35 ft.
Square yards	12,009
Total cost	\$5,341.85
Cost per square yard.....	\$0.445
<i>MacGregor Avenue, from Main to Travis Street</i>	1 Block
Length	298 ft.
Width	26 ft.
Square yards	861
Total cost	\$358.10
Cost per square yard.....	\$0.416

<i>Engelke Street, from Buffalo to Milby Street</i>	13 Blocks
Length	3,906 ft.
Width (from Buffalo to Palmer Street).....	18 ft.
Width (from Palmer to Milby Street).....	26 ft.
Square yards	9,644
Total cost	\$2,649.75
Cost per square yard.....	\$0.275
<i>San Felipe Street, from Travis to Wilson Street</i>	15 Blocks
Length	4,632 ft.
Width	31.5 ft.
Square yards	15,580
Total cost	\$2,838.88
Cost per square yard.....	\$0.182
<i>Dennis Avenue, from Smith to Genessee Street</i>	7 Blocks
Length	2,253 ft.
Width	26 ft.
Square yards	6,509
Total cost	\$2,081.05
Cost per square yard.....	\$0.319
<i>Welch Street, from Genessee to G. H. & S. A. Ry.</i>	9 Blocks
Length	2,200 ft.
Width	26 ft.
Square yards	6,356
Total cost	\$2,031.65
Cost per square yard.....	\$0.319
<i>Buffalo Street, from Engelke to Preston Avenue</i>	8 Blocks
Length	2,013 ft.
Width	26 ft.
Square yards	5,814
Total cost	\$1,755.80
Cost per square yard.....	\$0.302
<i>Avenue A, from Travis to Garrott Street</i>	4½ Blocks
Length	1,350 ft.
Width	30 ft.
Square yards	4,500
Total cost	\$1,104.65
Cost per square yard.....	\$0.245
<i>West Main Street, from Travis to Garrott Street</i>	4½ Blocks
Length	1,192 ft.
Width	30 ft.
Square yards	3,973
Total cost	\$934.70
Cost per square yard.....	\$0.235

Avenue C, from Garrott to Main Street.....	3 Blocks
Length	996 ft.
Width	30 ft.
Square yards.....	3,504
Total cost.....	\$849.75
Cost per square yard.....	\$0.242
Avenue D, from Garrott to Main Street.....	3 Blocks
Length	840 ft.
Width	28 ft.
Square yards.....	2,614
Total cost.....	\$679.80
Cost per square yard.....	\$0.26
Day Street, from Ross to Avenue C.....	4 Blocks
Length	1,215 ft.
Width	30 ft.
Square yards.....	4,050
Total cost.....	\$977.20
Cost per square yard.....	\$0.241
House Street, from Ross to Avenue B.....	5 Blocks
Length	1,476 ft.
Width	30 ft.
Square yards.....	4,918
Total cost.....	\$1,189.65
Cost per square yard.....	\$0.242
Bate Street, from Ross to Avenue D.....	5 Blocks
Length	1,476 ft.
Width	30 ft.
Square yards.....	4,918
Total cost	\$1,189.65
Cost per square yard.....	\$0.242
Garrott Street, from Ross to Avenue C.....	4 Blocks
Length	1,215 ft.
Width	30 ft.
Square yards.....	4,050
Total cost.....	\$977.20
Cost per square yard.....	\$0.241
Garrott Street, from Ross to Hawthorne Street.....	4 Blocks
Length	1,257 ft.
Width	23 ft.
Square yards.....	3,212
Total cost.....	\$966.35
Cost per square yard.....	\$0.207

<i>Liberty Avenue, from Maffit to Hardy Street</i>	3 Blocks
Length	766 ft
Width	30 ft
Square yards.....	2,553
Total cost.....	\$1,374.90
Cost per square yard.....	\$0.538
<i>Harrington Street, from Hardy to Maury Street</i>	2 Blocks
Length	511 ft
Width	35 ft
Square yards.....	1,987
Total cost.....	\$748.55
Cost per square yard.....	\$0.376
<i>Calhoun Street, from Baldwin to Bagby Street</i>	1 Block
Length	290 ft
Width	22 ft
Square yards.....	709
(Note.—Paving done by adjoining property owners without cost to City.)	
<i>Truxillo Street, from Travis to Main Street</i>	1 Block
Length	333 ft
Width	27 ft
Square yards.....	999
Total cost.....	\$254.95
Cost per square yard.....	\$0.255
<i>Travis Street, from Truxillo to Avenue B</i>	2 Blocks
Length	458 ft
Width	30 ft
Square yards.....	1,526
Total cost.....	\$399.90
Cost per square yard.....	\$0.223
<i>Sherman Street, from Milby to St. Stepbly Street</i>	3 Blocks
Length	1,000 ft
Width	20 ft
Square yards.....	2,222
Total cost.....	\$859.85
Cost per square yard.....	\$0.387
<i>Scott Street, from Calhoun to Polk Street</i>	5 Blocks
Length	2,280 ft
Width	30 ft
Square yards.....	7,600
Total cost.....	\$2,635.86
Cost per square yard.....	\$0.347

<i>York Street, Polk to McKinney Street</i>	3 Blocks
Length	890 ft.
Width	30 ft.
Square yards.....	2,970
Total cost.....	\$1,030.00
Cost per square yard.....	\$0.347
<i>Bell Avenue, from San Jacinto to Travis Street</i>	3 Blocks
Length	901 ft.
Width	34.6 ft.
Square Yards.....	3,464
Total cost.....	\$1,380.00
Cost per square yard.....	\$0.377
<i>Ware Street, from Tenth west</i>	2 Blocks
Length	428 ft.
Width	18 ft.
Square yards.....	856
Total cost.....	\$346.65
Cost per square yard.....	\$0.405
<i>Burton Street, from Erichson to Hardcastle Street</i>	1 Block
Length	236 ft.
Width	30 ft.
Square yards.....	787
Total cost.....	\$134.45
Cost per square yard.....	\$0.17
<i>Erichson Street, from Burton to Gulley</i>	1 Block
Length	182 ft.
Width	30 ft.
Square yards.....	607
Total cost.....	\$102.45
Cost per square yard.....	\$0.17
<i>Rosette Street, from Burton to Crosby Street</i>	2 Blocks
Length	431 ft.
Width	20 ft.
Square yards.....	958
Total cost.....	\$164.10
Cost per square yard.....	\$0.171
<i>Crosby Street, from Hardcastle to Shipman Street</i>	1 Block
Length	279 ft.
Width	23 ft.
Square yards.....	713
Total cost.....	\$121.30
Cost per square yard.....	\$0.17

<i>Shipman Street, from Heiner to Crosby</i>	1 Block
<i>Shipman Street, from Burton to Gulley</i>	1 Block
Length	402 ft.
Width (Heiner to Crosby Street).....	20.5 ft.
Width (Burton to Gulley).....	23 ft.
Square yards.....	946
Total cost.....	\$158.55
Cost per square yard.....	\$0.168
<i>Congress Street, from Shepherd to Velasco Street</i>	4 Blocks
Length	1,289 ft.
Width	30 ft.
Square yards.....	4,297
Total cost.....	\$1,691.40
Cost per square yard.....	\$0.393
<i>Hardy Street, from Sterrett to Conti Street</i>	4 Blocks
Length	1,281 ft.
Width	35 ft.
Square yards.....	5,759
Total cost.....	\$2,204.95
Cost per square yard.....	\$0.383
<i>Providence Street, from McKee to Maffit Street</i>	4 Blocks
Length	996 ft.
Width	35 ft.
Square yards.....	3,873
Total cost.....	\$1,388.45
Cost per square yard.....	\$0.358
<i>Elysian Street, from Nance to Conti Street</i>	3 Blocks
Length	969 ft.
Width	35 ft.
Square yards.....	3,768
Total cost.....	\$1,161.75
Cost per square yard.....	\$0.308
<i>Hemphill Street, from Center to H. & T. C. Ry</i>	1 Block
Length	215 ft.
Width	22 ft.
Square yards.....	526
Total cost.....	\$218.00
Cost per square yard.....	\$0.414
<i>Whitty Street, from Quitman to Crosby Street</i>	1½ Blocks
Length	430 ft.
Width	20 ft.
Square yards.....	956
Total cost.....	\$160.70
Cost per square yard.....	\$0.168

<i>Runnels Street, from Shepherd to Buffalo Street</i>	3 Blocks
Length	868 ft.
Width	21 ft.
Square yards.....	2,025
Total cost.....	\$803.85
Cost per square yard.....	\$0.396
<i>Harrisburg Road Resurfacing, from Milby to Stiles</i>	11 Blocks
Length	4,042 ft.
Width	35 ft.
Square yards.....	15,719
Total cost.....	\$1,826.30
Cost per square yard.....	\$0.116
(Note.—This street resurfaced and sprinkled with oil.)	
<i>Crockett Street Resurfacing, from Houston Avenue to Bridge</i>	5 Blocks
Length	1,882 ft.
Width	18 ft.
Square yards.....	3,764
Total cost	\$647.65
Cost per square yard.....	\$0.172
<i>Sampson Street Resurfacing, from Harrisburg Rd. to Congress</i>	2 Blocks
Length	642 ft.
Width	22 ft.
Square yards.....	1,569
Total cost.....	\$353.25
Cost per square yard.....	\$0.225

GRAVEL STREETS.

<i>Valentine Street, from San Felipe to Howard Street</i>	1 Block
Length	267 ft.
Width	16 ft.
Square yards.....	474
Total cost.....	\$88.00
Cost per square yard.....	\$0.186
(Note.—Paved with gravel taken from San Felipe Street.)	
<i>Hardcastle Street, from Heiner to Crosby Street</i>	1 Block
Length	291 ft.
Width	20 ft.
Square yards.....	647
Total cost.....	\$173.20
Cost per square yard.....	\$0.268
(Note.—Paved with gravel taken from San Felipe Street.)	
<i>Sinclair Street, from Heiner to City Park</i>	2 Blocks
Length	618 ft.
Width	15 ft.
Square yards.....	1,030
Total cost.....	\$123.00
Cost per square yard.....	\$0.12
(Note.—Paved with gravel taken from San Felipe Street.)	

SHELLED STREETS UNDER CONSTRUCTION.

Chenevert Street, from Gray to Pierce Street.....	1	Block
Chenevert Street, from Elgin to Holman Street.....	3	Blocks
Jackson Street, from Elgin to Holman Street.....	3	Blocks
Crawford Street, from Elgin to Holman Street.....	3	Blocks
Francis Street, from Hamilton to Crawford Street.....	3	Blocks
Stuart Street, from Hamilton to Crawford Street.....	3	Blocks
Harrington Street, from Hardy to Montgomery.....	13	Blocks
German Street, from Palmer to Milby Street.....	7	Blocks
Live Oak, from Garrott to Terry Street.....	4½	Blocks
Ross Avenue, from Garrott to Terry Street.....	4½	Blocks
Anita Street, from Crawford to Caroline Street.....	3	Blocks
Pierce Street, from Bagby to Sherman Street.....	3	Blocks
Berry Street, from Fannin to San Jacinto Street.....	1	Block

GRAVEL STREET UNDER CONSTRUCTION.

Tenth Street, from Preston to Dart Street..... 5 Blocks

NOTE.—In addition to above, the Houston Land Corporation is constructing under the direction of this office, seventy-three blocks of shell pavement and eleven blocks of asphalt pavement.

TABULATIONS.

Class.	1910. Sq. Yds.	1911. Sq. Yds.	Increase.
Asphalt	160,462	160,462	.....
Brick	355,586	397,664	42,078
Belgian block	1,892	1,892	.....
Bois d'Arc	49,833	49,833	.....
Macadam	36,948	36,948	.....
Gravel	621,951	624,102	2,151
Shell	96,387	238,766	142,379
Bitulithic	5,039	5,039	.....
Totals	<u>1,328,098</u>	<u>1,514,706</u>	<u>186,608</u>
Mileage, year ending February 28, 1911.....			89.82 Miles
Mileage, year ending February 28, 1910.....			78.79 "
Increase for year ending 1911 over 1910.....			11.03 Miles
Total square yards asphalt repairs for year ending 1911.....			14,299.89
Total square yards asphalt repairs for year ending 1910.....			<u>10,557.20</u>
Increase for year 1911 over 1910.....			<u>3,742.69</u>

Statement of Revenue, Expense and Unexpended Appropriation for the Annual Report of February 28, 1911.

REVENUE.

MONTH	24-A Surveying Fees	24-B Building Permit Fees	24-C Plumbing Permits and Sewer Inspection Fees	24-D Others, Street Open- ing and Drain Lay- ing Permit Fees	Total for the Year
March.....	\$132.50	\$191.00	\$178.95	\$44.00	\$546.45
April.....	142.50	272.50	126.65	49.00	590.65
May.....	78.00	250.50	110.00	70.00	508.50
June.....	64.50	151.50	153.05	65.00	434.05
July.....	40.50	193.00	100.60	50.50	384.60
August.....	74.00	199.00	139.75	49.00	461.75
September.....	81.50	815.30	123.50	63.00	1083.30
October.....	77.00	136.50	98.75	57.00	369.25
November.....	83.50	130.00	148.00	81.50	443.00
December.....	43.00	195.00	192.45	97.50	527.95
January.....	46.00	508.50	151.00	195.00	900.50
February.....	99.50	169.50	173.15	79.00	521.15
Total for 12 mos. ending February 28, 1911.....	\$962.50	\$3212.30	\$1695.85	\$900.50	\$6771.15
Total for 12 mos. ending February 28, 1910.....	\$869.00	2655.00	\$1379.95	\$563.20	\$5467.15
Increase.....	\$93.50	\$557.30	\$315.90	\$337.30	\$1304.00

Total amount of revenue increase for year ending February 28th, 1911, over year ending February 28th, 1910..... \$1,304.00

EXPENSE.

MONTH	24-A Salaries	24-B Repairs and Renewals of Instruments	24-C Stationery and Printing	24-D Others	Totals
March.....	\$712.50	\$309.50	\$12.10	\$57.77	\$1091.87
April.....	885.00		40.50	26.35	951.85
May.....	885.00		7.82	27.00	919.82
June.....	900.00		44.61	26.75	971.36
July.....	900.00		27.15	32.00	959.15
August.....	750.00		1.14	23.50	774.64
September.....	700.00		65.25		765.25
October.....	770.00		.75	40.00	810.75
November.....	720.00		26.75	20.00	766.75
December.....	845.00		65.00	20.00	930.00
January.....	795.00		3.34	81.90	880.24
February.....	867.40		5.50	26.50	899.40
Totals.....	\$9729.90	\$309.50	\$299.91	\$381.77	\$10721.08

Total expense for year ending February 28, 1911..... \$10,721.08

Total expense for year ending February 28, 1910..... 9,631.75

Total increase for year ending 1911 over 1910..... \$1,089.33

Appropriation for year ending February 28th, 1911..... \$12,000.00

Expense for year ending February 28th, 1911..... 10,721.08

Amount unexpended..... \$1,278.92

ANNUAL REPORT

OF

W. X. NORRIS,
BUILDING INSPECTOR,

For the Year Ending February 28, 1911.

REPORT OF BUILDING INSPECTOR.

HOUSTON, TEXAS, March 10, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I hereto attach tabulated statement, showing value of buildings, repairs, etc., constructed during the past year, and fees collected by this department.

Expenses of the department are shown in the report of the City Engineer.

As the fire limit has been extended, I would recommend that the ordinance for brick buildings be amended, so as to allow eight-inch brick walls for residence purposes only. Also the flue ordinance, that all brick flues have a tile lining, to commence two feet below entrance and extend to top of flue.

In regard to contractors using one-third of the street for building purposes, I would recommend that an ordinance be created whereby the contractor be required to have a covering over passageway to protect the public. Also an ordinance for protection of workingmen that are working underneath other workingmen.

Respectfully submitted,

W. X. NORRIS,
City Building Inspector.

Number of Building Permits and Amount of Fees for the Twelve Months Ending February 28, 1910, and 1911.

	1909-1910		1910-1911	
	Permits.	Fees.	Permits.	Fees.
March	74	\$274.50	73	\$191.00
April	111	181.50	61	272.50
May	61	192.50	76	250.50
June	62	139.50	78	151.50
July	56	122.00	66	193.00
August	69	192.50	88	199.00
September	59	518.00	71	815.30
October	68	94.50	67	136.50
November	49	118.00	78	130.00
December	40	121.50	62	195.00
January	63	437.00	74	508.50
February	59	236.00	81	169.50
Totals	761	\$2,655.00	875	\$3,212.30
Total for the year ending February 28, 1911.....	875	\$3,212.30		
Total for the year ending February 28, 1910.....	711	2,655.00		
Increase last 12 months over previous 12 months. .	164	\$ 557.30		

Permit Valuation of Additions and Repairs During the Twelve Months Ending February 28, 1910, and 1911.

	1909 and 1910		1910 and 1911	
	Permits.	Valuation.	Permits.	Valuation.
March	81	\$ 23,790.00	70	\$ 20,605.00
April	68	13,845.00	56	18,030.00
May	63	14,681.00	76	18,387.00
June	68	66,870.00	59	18,430.00
July	56	10,943.00	63	14,225.00
August	64	26,355.00	56	18,175.00
September	59	19,425.00	63	17,620.00
October	36	17,474.00	60	11,465.00
November	48	12,120.00	44	15,645.00
December	49	8,715.00	55	9,608.00
January	53	14,010.00	64	11,925.00
February	55	28,435.00	51	15,155.00
Totals	750	\$256,663.00	717	\$189,270.00
Total for year ending February 28, 1910.....	750	\$256,663.00		
Total for year ending February 28, 1911.....	..	189,270.00		
Decrease last 12 months over previous 12 months ..	..	\$ 67,393.00		

Classifications of Permanent Improvements.

No. of Permits.	Kind of Building.	No. of Bldgs.	Valuations.
1	9-story Brick and steel building.....	1	\$ 512,793.00
1	12-story Brick and steel building.....	1	400,000.00
1	10-story Brick and steel building.....	1	300,075.00
1	3 and 4-story Brick building.....	1	160,000.00
1	8-story Concrete and brick flat.....	1	100,000.00
1	6-story Concrete and brick building.....	1	77,850.00
1	4-story Concrete and brick hospital.....	1	95,700.00
1	Brick church	1	33,800.00
3	4-story Brick and concrete buildings.....	3	75,500.00
1	3-story Brick flat	1	23,000.00
6	3-story Brick and concrete buildings.....	6	123,750.00
6	2-story Brick and concrete buildings.....	6	38,475.00
1	2-story Brick theatre building.....	1	20,000.00
1	2-story Brick residence	1	8,000.00
6	1-story Brick buildings	6	21,100.00
2	Concrete cottages	2	3,600.00
4	Frame churches	4	8,850.00
15	Iron and wood warehouses.....	15	30,900.00
4	Frame schools	4	4,457.00
197	Residences	210	600,500.00
469	Cottages	567	426,110.00
6	General remodeling	6	64,400.00
139	Sheds and barns.....	141	18,960.00
868		981	\$3,152,820.00
	Valuation of 868 permits, year ending February 28, 1911...		\$3,152,820.00
	Valuation of 761 permits, year ending February 28, 1910...		3,911,130.00
	Decrease in value, year ending Feb. 28, 1911, over 1910..		\$ 758,310.00
	Valuation temporary permits, year ending Feb. 28, 1911...		\$ 189,270.00
	Valuation temporary permits, year ending Feb. 28, 1910...		256,663.00
	Decrease in value, year ending Feb. 28, 1911, over 1910..		\$ 67,393.00
	Total value, permanent and temporary, year ending 1911...		\$3,342,090.00
	Total value, permanent and temporary, year ending 1910..		4,167,793.00
	Decrease of last 12 months over previous 12 months..		\$ 825,703.00

Note—Two or more houses were taken out on one permit.

ANNUAL REPORT

OF

JOHN HEFFERNAN,
SEWER AND PLUMBING INSPECTOR,

For the Year Ending February 28, 1911.

REPORT OF SEWER INSPECTOR.

HOUSTON, TEXAS, March 10, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I have the honor to transmit to you a report of the operation of work, with tabulated statement, showing the amount of work done under my supervision for the year ending February 28, 1911.

There has been a substantial increase for the year in amount of plumbing installed for the past year.

The new plumbing ordinance, together with the Examining Board of Plumbers, appointed by your Honor, are now in force with satisfactory results. The board has examined up to date, sixteen master plumbers and seventy-two journeyman plumbers.

Both ordinance and Examining Board, in my opinion, will give the city a more equitable standard of plumbing.

I desire to thank you for your interest in the cause for good plumbing, also for permitting me to attend the meetings of the American Society of Plumbing and Sanitary Engineers; the attendance on these meetings has been of considerable benefit, along educational lines.

Respectfully submitted,

JNO. HEFFERNAN,
City Sewer and Plumbing Inspector.

SEWER SYSTEM.

Statement of Expense for Twelve Months Ending February 28, 1911.

1910 and 1911	SANITARY SEWER SYSTEM				(f) Sewer Repairs and Renewals	(g) Sewer Inspections	(h) Others
	Pumping Station		(c) Filter Beds	(e) Others			
	(a) Operation	(b) Repairs and Renewals					
March.	\$ 1379.61	\$223.99	\$480.45	\$16.75	\$213.82	\$125.00	\$70.05
April..	1088.24	135.40	412.09	11.70	105.00	125.00	46.60
May...	1156.91	164.99	467.00	25.28	150.60	135.00	53.60
June...	1089.78	141.35	393.30	10.00	282.06	135.00	43.25
July...	832.70	155.43	365.35	24.90	151.15	135.00	42.85
Aug...	1122.71	155.64	494.45	5.80	183.50	135.00	44.70
Sept...	1084.31	495.80	414.90	70.20	232.20	135.00	27.45
Oct...	1240.59	347.21	451.00	8.10	214.05	135.00	59.50
Nov...	1157.26	181.80	398.55	2.85	1437.42	135.00	44.30
Dec...	912.47	217.65	389.20	1.80	120.00	135.00	41.30
Jan...	1479.49	260.99	457.00	58.45	213.10	135.00	37.95
Feb...	1174.65	250.61	424.00	81.80	101.61	135.00	42.40
Totals.	\$13718.72	\$2730.86	\$5147.29	\$317.63	\$3404.51	\$1600.00	\$553.95

Total expense for Sewer Department, year ending February 28, 1911\$27,472.96

Total expense for Sewer Department, year ending February 28, 1910 26,230.02

Increase of last year over previous year.....\$ 1,242.94

Appropriation for year ending February 28, 1911.....\$25,000.00

Expense for year ending February 28, 1911..... 27,472.96

Amount expended over and above appropriation.....\$ 2,472.96

Fees Collected.

Plumbing permits—24-C—plumbing inspection fees.....\$1,695.85

Sewer connections—24-D—drain and street opening fees..... 900.50

Total\$2,596.35

Total amount fees collected for the year ending Feb. 28, 1911..\$2,596.35

Total amount fees collected for the year ending Feb. 28, 1910.. 1,943.15

Total increase year ending 1911 over 1910.....\$ 653.20

**Plumbing Fixtures Installed During the Twelve Months
Ending February 28, 1911.**

MONTH	Plumbing Permits	Closets	Bath	Baths	Sink	Urinals	Miscellaneous Fixtures	Total Fixtures	Drain Laying Permits	Inspections	House Connections
March.....	65	170	67	389	75	30	49	780	15	95	30
April.....	61	130	94	95	64	17	...	400	9	75	22
May.....	53	195	54	85	48	13	13	408	29	97	41
June.....	50	159	129	141	87	2	71	589	27	86	41
July.....	49	65	60	58	51	...	...	234	15	88	26
August.....	73	99	59	86	66	10	12	332	20	91	33
September.....	51	74	59	83	62	3	14	295	31	98	47
October.....	37	52	40	37	27	7	1	164	36	85	37
November.....	67	89	62	54	58	7	3	273	43	117	54
December.....	55	219	167	255	150	9	2	806	41	104	41
January.....	37	76	53	64	43	3	7	246	38	87	47
February.....	43	121	98	94	58	1	2	374	34	84	45
Totals.....	641	1449	942	1441	789	102	174	4897	338	1097	459

Closets	1,449
Baths	942
Basins	1,441
Sinks	789
Urinals	102
Miscellaneous fixtures	174

Total	4,897
Total fixtures installed 12 months ending February 28, 1911.....	4,897
Total fixtures installed 12 months ending February 28, 1910.....	3,718

Increase last 12 months over previous 12 months.....	1,179
Sewer connections for 12 months ending February 28, 1911.....	338
Sewer connections for 12 months ending February 28, 1910.....	262

Increase last 12 months over previous 12 months.....	76
Number of public connections made with sewer, year ending February 28, 1911.....	222
Number of private connections made with sewer, year ending February 28, 1911.....	116

Total number of sewer connections.....	338
<i>Note</i> —Of the 338 sewer connections, 75 connections were made with the South End sewer extension.	
Plumbing permits for 12 months ending February 28, 1911.....	641
Plumbing permits for 12 months ending February 28, 1910.....	539

Increase last 12 months over previous 12 months.....	102
Total house connections for 12 months ending February 28, 1911..	459
Total house connections for 12 months ending February 28, 1910..	309

Increase last 12 months over previous 12 months.....	150
--	-----

Work Done by Sewer Cleaners.

MONTH	Manhole Inspections	Catch Basin Inspections	Soppages Removed	Flush Tank Inspections	Total
March.....	2	217	6	10	235
April.....	2	54	7	1	64
May.....	3	83	3	12	101
June.....	11	64	3	9	87
July.....	11	33	.....	.....	44
August.....	7	41	1	6	55
September.....	1	27	1	5	34
October.....	15	122	4	11	152
November.....	3	69	.....	4	76
December.....	.....	82	.....	11	93
January.....	2	13	1	4	20
February.....	3	22	.....	1	26
Total.....	60	827	26	74	927

The Following Private Sewers Were Constructed During the Twelve Months Ending February 28, 1911.

- 250 ft. of 6-inch sewer, west on Abbott from manhole on Travis Street.
- 350 ft. of 6-inch sewer, north on Arthur from manhole on Hardcastle St.
- 350 ft. of 6-inch sewer, south on Fannin from manhole on Elgin Ave.
- 400 ft. of 6-inch sewer, west in alley between Courtland and Avondale Additions, from manhole on Brazos St.
- 1500 ft. of 6-inch sewer, on M. K. & T. Ry. property from Girard and First St., running northwest.
- 166 ft. of 6-inch sewer, south of manhole on Ave. C, Bute Addition.
- 350 ft. of 6-inch sewer, south on Fannin from manhole on Elgin Ave.
- 356 ft. of 6-inch sewer, west on Jefferson Ave. from manhole on Hutchins St.
- 372 ft. of 6-inch sewer, south in alley between Mason and Milby, from manhole on Baker St.
- 300 ft. of 8-inch sewer, east on Crockett from manhole on Holly St.
- 725 ft. of 8-inch sewer, south on Stanley from manhole on Lubbock St.
- 400 ft. of 8-inch sewer, east on Webster from manhole on Hamilton St.
- 485 ft. of 8-inch sewer, north on Crocker from manhole on Baker St.
- 558 ft. of 8-inch sewer, south on Whitney from manhole on Baker St.
- 128 ft. of 8-inch sewer, east on Willard from manhole on Crocker.
- 240 ft. of 8-inch sewer, north on Hopkins from manhole on Baker.
- 625 ft. of 8-inch sewer, east on Sternenberg from manhole on Hamilton.

7555 ft.

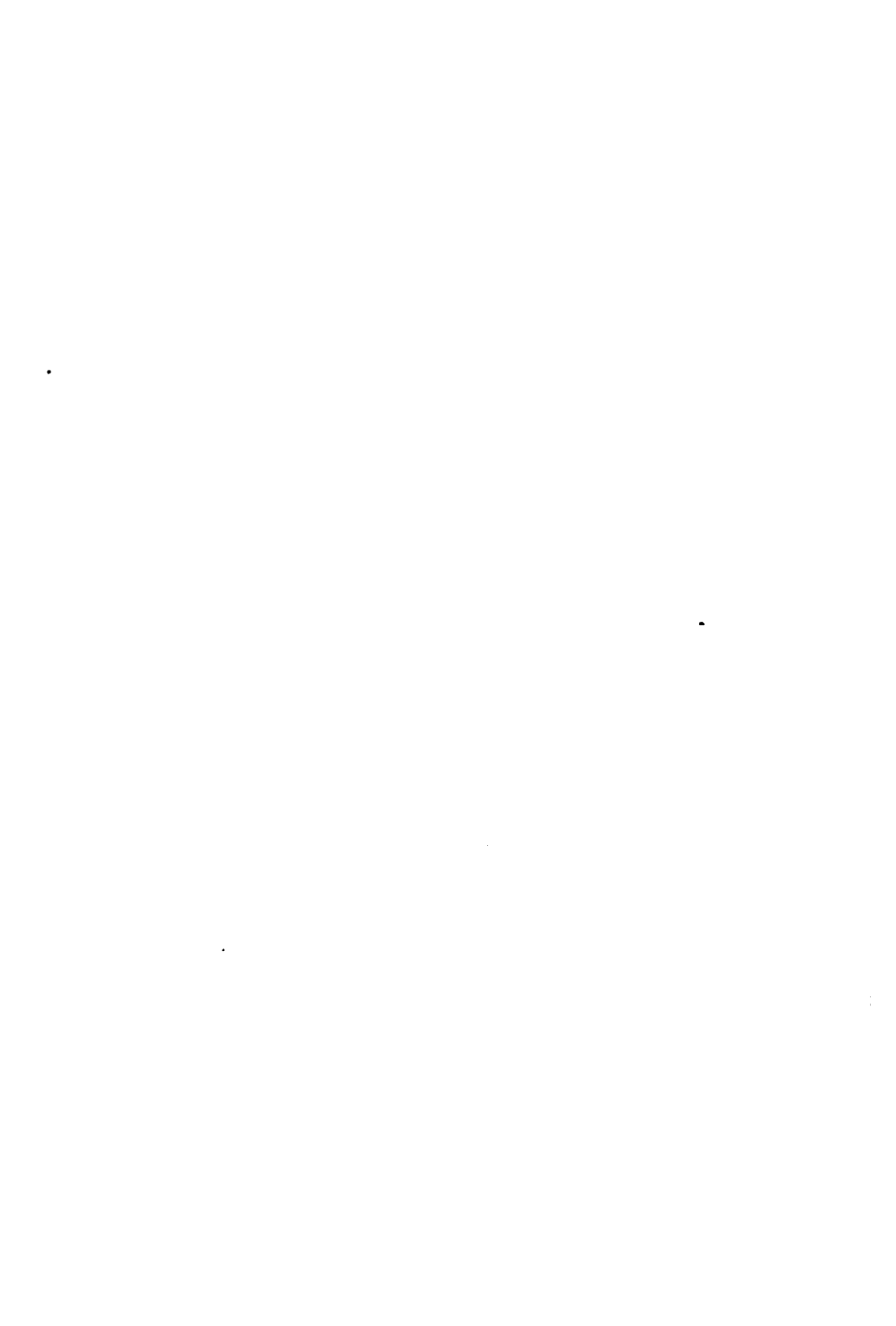
Total number of private sewers laid, year ending Feb. 28, 1911....7,555

Total number feet laid in year ending February 28, 1910.....8,531

Decrease last 12 months over previous 12 months..... 976

Length of sewer laid during 12 months ending Feb. 28, 1911...1.43 miles

Number of manholes constructed.....8



ANNUAL REPORT

OF

FRANK L. DORMANT,

CONSULTING ENGINEER,

For the Year Ending February 28, 1911.

REPORT OF CONSULTING ENGINEER.

HOUSTON, TEXAS, March 1, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I have the honor to transmit herewith report covering the work done under my charge for the fiscal year ending March 1, 1911.

AUSTIN STREET STORM SEWER.

The Austin Street storm sewer has been completed and has stood the test in a satisfactory manner. This sewer has the following sizes:

	In Feet,	
	Diameter.	Length.
From Preston to Dallas Avenue.....	10	2640
From Dallas to Calhoun Avenue.....	9	2310
From Calhoun to McGowen Avenue.....	8	2150
From McGowen to Elgin Avenue.....	7	1700

Large inlets have been provided both at Calhoun and Elgin Avenues to take care of the proposed lateral sewers to be built on these two streets.

COST OF AUSTIN STREET SEWER.

10-foot sections, including manholes.....	\$ 75,320.88
9-foot sections, including manholes.....	49,637.88
8-foot sections, including manholes.....	36,286.40
7-foot sections, including manholes.....	22,874.30
	<hr/>
	\$184,119.46

INLETS OR CATCH BASINS.

On 10-foot sections, number of inlets, 36; cost.....	\$ 3,500.79
On 9-foot sections, number of inlets, 26; cost.....	2,746.62
On 8-foot sections, number of inlets, 26; cost.....	2,176.31
On 7-foot sections, number of inlets, 18; cost.....	4,233.79
	<hr/>
Total	\$12,657.51

At McIlhenney and Dennis Avenue extra pipe for inlets has been laid amounting to \$394.24, thus making the total cost of the Austin Street storm sewer \$197,171.21. To effectually drain the territory north of Elgin Street to the Aransas Pass Railroad will require the extension of the Austin Street sewer for a distance of twelve blocks.

During the past fiscal year the following sanitary sewers were completed, as follows:

	Cost.
First and Sixth Ward sanitary sewers.....	\$ 25,746.15
Fourth Ward sanitary sewer.....	11,155.54
Fifth Ward sanitary sewer (main trunk sewer).....	79,361.43
Reagan School sanitary sewer.....	5,254.88
Lamar School sanitary sewer.....	1,001.03
Southern Pacific sanitary sewer.....	3,338.24
Extension sanitary sewer on Lyons Avenue.....	991.11
Total	\$126,848.38

MCGOWEN AVENUE LATERAL STORM DRAIN.

A thirty-inch storm drain has been built on McGowen Avenue from Austin Street west to Travis Street, with four inlets or catch-basins at Caroline, San Jacinto, Fannin, Main and Travis Streets, thus relieving that territory from surface drainage during heavy rains, particularly at McGowen Avenue and Fannin Street. The intersection of the last named two streets has been raised and paved with vitrified brick, and the lake of water standing there for a number of years after every heavy rain is now a thing of the past.

Cost of sewer.....	\$11,058.30
20 stormwater inlets.....	2,010.91
5 manholes	391.10
Lumber, repaving, retaining walls, etc.....	1,524.35
Total	\$14,984.66

The drainage on Main Street, near Dennis, has been changed by taking the surface water to Main and McGowen, and the two ridges caused by culverts, both at McGowen and Dennis Streets, have been taken out by removing these culverts, thus making a much easier passage for vehicles possible at these points.

CLEVELAND PARK.

A topographical map of this beautiful property has been made, and preliminary plans and drawings have been prepared for a covered, re-inforced concrete reservoir and pumping station.

As the reservoir will be underground, this property can be converted into a beautiful park of a size about five times larger than the Dallas Avenue park.

BOULEVARD NORTH AND SOUTH OF WHITE OAK BAYOU.

Drawings have been completed for a driveway or boulevard, 100 feet wide, on both sides of White Oak Bayou, extending from a point near the Southern Pacific Hospital to a connection with Sixth Street in Houston Heights, crossing Houston Avenue at two different points. The alignment of this boulevard follows the natural contours of the ground and will make a picturesque driveway through beautiful woods. At different places small parks for passing purposes will be established, and at the crossings of ravines and other depressions, small concrete arches will be built. The topographical map of this contemplated improvement is now being made, and will shortly be submitted to you.

SECOND WARD SANITARY SEWERS.

Owing to the phenomenal growth of the city it was decided by you that after the completion of the Fifth Ward sanitary sewer system, the pumping station on Willow Street would be taxed nearly to its capacity, and for that reason it was deemed advisable to convey all the future sewage south of the Ship Channel to another disposal plant south of the city limits.

For this reason the city purchased a tract of land containing 197 acres, located north of Simms' Bayou, out of the Prentiss survey. The selection of this particular piece of land was made on account of the suitable quality of the land, it being of sandy nature, and also on account of its location alongside of a country road and a trunk railroad. The land is all under fence; there is also a two-story frame residence

on it in good condition, barns, a ten-inch artesian well, and pumping machinery, all of said improvements being of an estimated value of about \$10,000.00.

The sewage from the Second Ward will be conveyed by a pumping main from a station put outside the city limits to this farm, and will be purified by sedimentation land treatment and underdrainage.

THE MAIN STREET VIADUCT.

Two different sets of plans for the proposed Main Street viaduct have been prepared and will be submitted to you by the end of this month. The reason for submitting two sets of plans is, on account of two different propositions having to be considered in the purchase of the necessary right of way, on both sides of the Ship Channel.

Arrangements have been provided in these plans to give access to the viaduct to the warehouses which are located on the north side of the Ship Channel, and which now use the old White Oak Bayou bridge (which will be removed) to get to both the Katy and Southern Pacific freight depots.

TURNING BASIN.

The excavations for the slips at the Turning Basin were completed in May, 1910, and plans have been finished for the proposed wharves and warehouses. The heights of the wharves will be twelve feet above mean low tide, and from the wharves the freight will be transferred to the warehouses and freight cars by means of inclined conveyors. The freight from smaller craft will be handled by adjustable conveyors, which regulate themselves according to the size of boat and height of the tide.

RECOMMENDATIONS.

AMOUNT NECESSARY TO COMPLETE OUTLET FOR TERRITORY SOUTH OF SHIP CHANNEL.

Extension of sewer from Polk and York Streets, near north line of Luke Moore survey to proposed pumping station..\$	28,500.00
Pumping station grounds.....	2,000.00
Discharge main from pumping station to disposal fields.....	56,865.60
Pumping station and equipment.....	12,500.00
Underdrainage, tiling, carriers, etc.....	7,500.00
	<hr/>
	\$107,365.60

SANITARY SEWERS PROPOSED.

Proposed Lamar Avenue main sewer.....	\$ 25,000.00
Proposed McGowen Avenue main sewer.....	52,000.00
10 miles of lateral sewers in Third and Fourth Wards.	
8 miles of lateral sewers in First and Sixth Wards.	
15 miles of lateral sewers in Fifth Ward.	
4 miles of lateral sewers in Second Ward.	
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37 miles of laterals, with manholes and flush tanks.....	481,750.00
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	\$558,750.00

PROPOSED STORM SEWERS.

Storm sewer in Fourth Ward, with laterals.....	\$175,000.00
Catch basins	13,500.00
	<hr/>
	\$188,500.00

WILLOW STREET SEWAGE PUMPING STATION.

New equipment to handle sewage when First, Fifth and Sixth Ward sewers are completed.....	\$24,000.00
New underground receiving basin.....	21,750.00
	<hr/>
	\$45,750.00
Overhauling of filter beds near Turning Basin and construc- tion of detritus tanks, etc.....	53,865.00
	<hr/>
	\$99,615.00

Respectfully submitted,
FRANK L. DORMANT,
Consulting Engineer.

ANNUAL REPORT

OF

WM. H. WILSON,

CITY ATTORNEY,

For the Year Ending February 28, 1911.

REPORT OF CITY ATTORNEY.

HOUSTON, TEXAS, March 15, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR: Herewith I submit a brief statement of the conduct of the Legal Department of the City of Houston for the year ending the 28th day of February, A. D. 1911.

During the past year there have been few suits filed against the city for damages, and but few of those are of any magnitude, or involve any serious loss by way of damages. The judgments recovered against the city during said period are very few and very meager in amount.

There has been more than the usual large amount of business in the way of preparation of ordinances, the drawing up of contracts, and the preparation of opinions on law questions arising in the conduct of the various departments of the City Government.

During the year the Legal Department has collected and classified all of the general ordinances passed by the City Council since the adoption of the present Code of Ordinances, October 31st, 1904. These ordinances are classified under the same chapter headings found in the code and are printed in a separate volume with a classified index. This volume, together with the code, will enable any citizen to determine for himself the law of the city as it stood on the 31st day of October, 1910.

Among the important franchises and ordinances drawn by the Legal Department during the year, was one granting to the Southwestern Telegraph and Telephone Company, the

right to use the streets and public ways of the City of Houston for a period of thirty years. Said ordinance reserves to the city the right to regulate the rates charged for the use of local telephones, to require extensions of the system, to require efficiency in the service, and said company agrees to put its wires in conduits throughout the business district of the city, and when required to do so, in the residence district also. The Southwestern Telephone Company agrees to pay to the city, in addition to its ad valorem taxes, one per cent of its gross receipts. In reaching an adjustment of the details of this franchise the management of the telephone company has shown a commendable spirit, and we believe the result will be a much more efficient service.

Another ordinance of more than usual importance is the one providing a Public Utilities Commissioner, and defining his powers and duties. It gives said Commissioner general supervision over the services furnished by our public utility companies. It requires said Commissioner to have in his office all available information concerning the equipment of the corporations furnishing such public service, their rules and regulations and modes of doing business, and authorizes him to adjust controversies between them and the public, and to make tests of meters. The ordinance requires the public utility companies to provide prompt installation; to make prompt repairs and extensions, and generally to furnish a reasonably efficient service in return for the price paid for same. The ordinance embodies the ideas of your Honor as expressed to the people in the recent campaign, and in the preparation of same we have followed, to some extent, the Public Utilities Act of New York City.

The charter requires the City Attorney to be present, either in person or by deputy, at the sessions of the Corporation Court, which are held twice each day, viz: at 9:00 o'clock a. m. and 5:00 o'clock p. m. This branch of the work is being handled by Mr. D. E. Hume, and during the year there were assessed and collected in said court fines and costs aggregating \$18,024.66, all of which amount under the charter is paid to the city and goes into its general revenues.

During the past year the customary force of the department has been continued and maintained as heretofore, and I desire, on behalf of each member of said department, to thank you and the City Council for the uniform courtesy and consideration shown to said department.

Respectfully submitted,

WM. H. WILSON,
City Attorney.

ANNUAL REPORT

OF

F. J. OLLRE,
MARKET MASTER,

For the Year Ending February 28, 1911.

REPORT OF MARKET MASTER.

HOUSTON, TEXAS, March 7, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—In compliance with the ordinances of the City of Houston requiring a report of the business and conditions of each department under your jurisdiction, I beg to submit below my report of collections for the fiscal year ending February 28, 1911.

In this connection, it seems befitting to state that during the year just passed, the Market House enjoyed its usual good patronage, and also to state that the usual standard of cleanliness and discipline has been maintained. All stalls are at present rented, and there are no back rents due the city from any of the tenants.

I have no improvements to recommend at present.

The collections during the year were as follows:

March, 1910.....	\$ 1,624.00
April, "	1,659.25
May, "	1,745.50
June, "	1,955.25
July, "	1,830.00
August, "	1,624.75
September, "	1,518.75
October, "	1,571.25
November, "	1,587.00
December, "	1,594.00
January, 1911.....	1,459.25
February, "	1,462.20
Total	<u>\$19,631.20</u>

Yours respectfully,

F. J. OLLRE,
Market Master.

ANNUAL REPORT

OF

DR. GEO. W. LARENDON,
HEALTH OFFICER,

For the Year Ending February 28, 1911.

REPORT OF HEALTH OFFICER.

HOUSTON, TEXAS, March 14, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—In compliance with the duties devolving upon me, I have the honor to submit herewith my annual report of the operations of the Department of Health for the fiscal year ending February 28, 1911.

It is extremely gratifying to be able to report not only decreased mortality as compared with previous years, but also an appreciable decrease in the number of deaths from all the transmissible (and, therefore, preventable) diseases; and as the efforts of the Health Department are directed to the prevention—rather than the cure—of disease, the department has cause to feel that its efforts have borne fruit.

The Health Department is indebted for much of its success to the magnificent water supply and extensions of water mains, which have enabled hundreds of citizens to supply their homes with pure water.

Along with this, the improvement in laws governing the sale of milk, and the ordinance creating the office of City Pathologist and Bacteriologist, has given the Department the means of investigations relating to the purity of milk, water and food products, as well as of diagnosing and locating transmissible diseases.

This Department treated 4,000 patients at the city dispensary, 550 at the hospital, 36 at the pest camp, and vaccinated 2,000 school children; fumigated 783 rooms, 2 automobiles and 7 box cars for the following diseases:

Tuberculosis	349 Rooms
Diphtheria	157 Rooms
Smallpox	147 Rooms
Scarlet Fever	54 Rooms
Typhoid Fever	49 Rooms
Pneumonia	5 Rooms
Scabies	2 Rooms
Causes Not Specified.....	100 Rooms
Cerebro-spinal Meningitis	16 Rooms
Smallpox	7 Box Cars
Scarlet Fever	2 Automobiles

During the year there occurred in the City of Houston 1,386 deaths, of which 822 were whites and 564 colored; a total death rate of 13.5 per thousand (the death rate amongst the whites being 10.7 per thousand and amongst the colored 22.1 per thousand).

There were reported at this office a total of 1,654 births; of this number 1,312 were whites and 342 colored. You will also observe that the births exceeded the deaths.

Respectfully submitted,

GEO. W. LARENDON, M. D.,
City Health Officer.

Classified List of Causes of Deaths for Twelve Months Ending February 28, 1911.

NAME OF DISEASE	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	WEITE		COLORID		Grand Total Deaths for Yr.	
	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1911	1911	Male	Female	Male	Female		
I—General Diseases.																		
1. Typhoid fever, abdominal typhus.....	1	2	3	5	10	4	3	3	1	3	3	3	10	5	13	10	38	
2. Exanthematic typhus.....																		
3. Recurrent fever.....					1				1	1	1	1		1	1	4	6	
4. Intermitent fever, malarial cachexia.																		
5. Smallpox.....						1							2			1	3	
6. Measles.....																		
7. Scarlet fever.....																		
8. Whooping cough.....						1	1		1		1	1	3	4			7	
9. Diphtheria and croup.....			2	3	4	7	2	3					6	11	5	9	31	
10. Influenza.....	2	5	4	4	4	4	2	3										
11. Malaria fever.....																		
12. Asiatic cholera.....																		
13. Cholera nostras.....																		
14. Dysentery.....	1	3	1	3	1				4	1	1		3	2	4	6	15	
15. Plague.....																		
16. Yellow fever.....																		
17. Leprosy.....																		
18. Erysipelas.....						1							2	1	1	1	5	
19. Other epidemic diseases.....																		
20. Pyæmia and Septicæmia.....						1			1		2	4	3	4	1	2	10	
21. Glanders.....																		
22. Anthrax.....																		
23. Rabies.....																		
24. Actinomycosis, trichinosis, etc.																		
25. Pellagra.....			1													1	2	
26. Tuberculosis of larynx.....																		
27. Tuberculosis of lungs.....	26	12	15	14	10	14	9	14	3	6	5	2	29	24	34	43	180	
28. Tuberculosis of meninges.....								1					1				1	

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	WHITE		COLORED		Grand Total Deaths for Yr.
	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1911	1911	Male	Female	Male	Female	
29. Abdominal tuberculosis.....	1	1	1						1			2	2				5
30. Pott's disease.....			1														1
31. Cold abscess.....			1														1
32. White swelling.....					1						2						3
33. Tuberculosis of other organs.....									9	7	9	11		1	7	4	37
34. General tuberculosis.....	1																
35. Scrofula.....	2								1		1			1	1		4
36. Syphilis.....																	
37. Gonorrhoea, adults.....																	
38. Gonococcal affections of infants.....																	
39. Cancer—																	
39. Of the stomach, liver.....		3							2	1	2	2		4	1	2	10
40. Of peritoneum, intestines, rectum.....							1					1		1	1		2
41. Of female genital organs.....		1					1	1	1	2	1			6		1	7
42. Of breast.....		1							1					2			2
43. Of skin.....																	
44. Of other organs and unspecified.....		1		1				1	1				2	2	4		6
45. Other tumors, except of female genital organs.....										1					1		1
46. Acute articular rheumatism.....									1						1		1
47. Chronic rheumatism and gout.....			1	1									1	1	1		2
48. Scurvy.....																	
49. Diabetes.....							1	1						4	1	1	6
50. Exophthalmic goitre.....										3							
51. Addison's disease.....																	
52. Leukemia.....		3			1				1					1	1	1	5
53. Anemia, chlorosis.....		1	1		1				1	1				2	3	1	6
54. Other general diseases.....		2						2			1			3	2		5
55. Alcoholism, acute and chronic.....	1			1							1			3	1		3
56. Lead poisoning.....			1											1			1

Classified List of Causes of Deaths—Continued.

NAME OF DISEASE	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	WHITE		COLORED		Grand Total Deaths for Yr.
	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1911	1911	Male	Female	Male	Female	
VIII—Diseases of the Skin and Cellular Tissue.				1			1		1				1		1		2
142. Gangrene.....													1				1
143. Furuncle (carbuncle).....							1										
144. Phlegmon, acute abscess.....																	
145. Other diseases of the skin and adnexa.....																	
IX—Diseases of the Locomotor System.																	
146. Diseases of the bones, non-tuberculosis.....																	
147. Arthritis and other diseases of the joints, tuberculosis and rheumatism excepted.....																	
148. Amputation.....																	
149. Other diseases of the organs of locomotion.....					1										1		1
X—Malformations.																	
150. Congenital malformations, still-births not included.....										1		1	1				2
XI—Diseases of Infancy.																	
151. Congenital debility, icterus and sclerema.....														1			1
152. Other diseases peculiar to early infancy.....	7	7	12	3	10	6	8	7				1	22	14	11	14	61
153. Neglect.....	1		1	1	3	1	3	3					4	2	3	4	13
XII—Diseases of Old Age.																	
154. Senile debility.....	5	4	8	4	10	9	6	6	4	6	7	4	17	28	13	15	78

Comparative Statements of Death for Fiscal Years, 1908, 1909, 1910.

YEAR	March	April	May	June	July	August	September	October	November	December	January	February	WHITE		COLORED		TOTAL
													Male	Female	Male	Female	
1908.....	90	92	82	104	78	71	73	95	79	94	99	107	400	255	193	216	1084
1909.....	88	107	110	114	98	110	89	86	107	125	160	105	490	322	249	238	1299
1910.....	153	121	137	116	113	119	99	92	99	108	114	115	460	362	281	283	1386

AGES.

	Year	
Under 1 year.....	229	
1 to 5 years.....	70	
5 to 10 years.....	27	
10 to 20 years.....	73	
20 to 30 years.....	163	
30 to 40 years.....	202	
40 to 50 years.....	159	
50 to 60 years.....	150	
60 to 70 years.....	103	
70 to 80 years.....	123	
80 to 90 years.....	38	
90 to 100 years.....	22	
Over 100 years.....	4	
Not stated.....	3	
	1,386	

SOCIAL RELATIONS.

	Year	
Married.....	453	
Widows.....	186	
Widowers.....	70	
Single.....	452	
Divorced.....	20	
Not stated.....	205	
	1,386	

NATIVITIES.

	Year	
Houston.....	121	
Texas.....	568	
United States, elsewhere.....	417	
Ireland.....	21	
England, Scotland, Wales.....	10	
Germany.....	71	
Greece.....	3	
Mexico.....	7	
France.....	5	
Canada.....	4	
Italy.....	6	
Russia.....	5	
Switzerland.....	1	
Austria.....	1	
Sweden.....	1	
Norway.....	4	
Japan.....	1	
Not stated.....	14	
	1,386	

BURIAL PLACE.

	Year	
Hollywood.....	165	
Glenwood.....	128	
Evergreen.....	75	
Magnolia.....	32	
German.....	103	
Holy Cross.....	82	
Old Catholic.....	5	
Beth Israel.....	7	
Orthodox.....	6	
Jewish.....	17	
Evergreen (colored).....	58	
Olivewood.....	81	
College Park.....	187	
Poor Farm.....	137	
Old City.....	7	
Private.....	11	
Bodies shipped out of City.....	285	
	1,386	

DEATHS IN HOSPITALS AND OTHER INSTITUTIONS.

(Included in Total Deaths)

	Year
St. Joseph's Infirmary.....	89
Houston Infirmary.....	31
Baptist Sanitarium.....	3
Lunn's Sanitarium.....	..
Boyd's Sanitarium.....	..
Norsworthy's Sanitarium.....	2
Faith Home.....	..
Infants' Home.....	13
St. Anthony Home.....	2
County Jail.....	2
City Jail.....	..
Pest House.....	..
Other Institutions.....	..
Died outside city limits.....	218
Bodies shipped here from elsewhere.....	79

CONTAGIOUS DISEASES REPORTED BY PHYSICIANS.

	Cases for Year	Deaths for Year
Smallpox.....	42	..
Diphtheria.....	57	7
Scarlet fever.....	23	..
Measles.....	*	3
Typhoid fever.....	*	38
Pulmonary tuberculosis.....	*	130
Whooping cough.....	*	2
Chickenpox.....	*	..
Erysipelas.....	*	5

* Cases not reported.

DEATHS CERTIFIED BY THE CORONER.

(Included in Total Deaths)

For the year..... 101

DEATH RATE PER 1,000 PER ANNUM.

For the year..... 13.5

This includes all deaths occurring in the city, without any exception whatever. Deaths from violence and among non-residents or recent arrivals, etc., are not excluded.

STILL AND PREMATURE BIRTHS.

(Not Included in Total Deaths)

	Year
Male, white.....	40
Female, white.....	25
Male, colored.....	44
Female, colored.....	34
Total.....	143

BIRTHS FOR YEAR.

	March	April	May	June	July	August	September	October	November	December	January	February	Total Year	Grand Total
Male, White.....	24	53	40	49	33	50	63	67	64	73	70	79	665	.....
Female, White.....	34	53	40	33	40	58	79	73	59	60	53	67	647	.....
Male, Black.....	8	19	10	12	20	17	8	19	20	15	17	15	180	.....
Female, Black....	8	18	14	9	8	9	17	13	26	11	19	10	162	.....
Total by months	74	143	104	103	101	132	167	172	169	159	159	171	.....	1654

PATHOLOGICAL LABORATORY.

	Positive	Negative	Total
Culture examined for diphtheria.....	31	14	45
Specimens of sputum examined for tuberculosis.....	104	105	209
Tuberculin test in human.....			1
Specimens of blood examined for typhoid fever.....	16	32	48
Specimens of blood smear examined for malaria.....	36	2	38
Feces examined for ova of intestinal parasites.....	5	18	23
Specimens of urine examined—chemically.....			316
Specimens of urine examined—microscopically.....			168
Samples of food examined.....			53
Samples of milk collected and examined.....			322
Samples of milk brought to laboratory and examined.....			113
Total samples of milk examined.....			435
Samples City water collected and examined.....			9
Stomach contents examined.....			4

REPORT OF FUMIGATING OFFICER FOR THE YEAR.

Fumigated for:—	No. Rooms
Tuberculosis.....	249
Diphtheria.....	157
Smallpox.....	147
Scarlet fever.....	54
Typhoid fever.....	49
Pneumonia.....	5
Scabies.....	2
Cerebro-spinal Meningitis.....	16
Causes not specified.....	100
Total rooms.....	783
Smallpox.....	7 Box Cars
Scarlet fever.....	2 automobiles
Also 4 surface toilets were fumigated.	

REPORT OF THE SEWER OFFICER FOR THE YEAR.

Number of sewer connections forced.....	39
Total number of sewer connections made.....	336

ANNUAL REPORT

OF

JACK KENNEDY,

CITY SCAVENGER,

For the Year Ending February 28, 1911.

REPORT OF CITY SCAVENGER.

HOUSTON, TEXAS, March 1, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I herewith beg to submit the annual report of the Scavenger Department, showing receipts and disbursements, and all work done in the department for the fiscal year ending February 28, 1911:

GENERAL REVENUE.

Amount of Closets Cleaned.—(Antique head)		
March,	1910	\$ 1,847.00
April,	"	1,655.00
May,	"	1,512.00
June,	"	1,541.75
July,	"	1,324.90
August,	"	1,469.75
September,	"	1,358.00
October,	"	1,271.25
November,	"	1,302.00
December,	"	1,469.25
January,	1911	1,709.75
February,	"	1,543.00
Total		\$18,002.75

Amount of Cash Collected.

March,	1910	\$ 1,795.50
April,	"	1,713.75
May,	"	1,451.25
June,	"	1,468.00
July,	"	1,289.25
August,	"	1,433.50
September,	"	1,288.75
October,	"	1,283.25
November,	"	1,203.25
December,	"	1,430.50
January,	1911	1,639.00
February,	"	1,476.00
Total		\$17,472.00

Amount of Closets Cleaned With No Collections.

Charity	\$290.25
Public Schools	150.00
City Stables	4.50
Wharf	2.75
Infants' Home	4.50
Sewer Lift	3.00
Bills Not Paid.....	75.75
Total	\$530.75

Recapitulation.

Cash Collected	\$17,472.00
Bills Outstanding	530.75
Total	\$18,002.75
Expense	12,262.43
Net Profit Over Operating Expense.....	\$ 5,740.32
Amount of Appropriation.....	\$13,000.00
Amount Expended	12,262.43
Balance Unexpended	\$ 737.57
Percentage of Appropriation Unexpended.....	5.67

General Expense.

Inspectors, salary	\$ 4,546.12
Clerk	790.00
Laborers, salary	5,395.00
Feed	741.96
Repairs on Wagons.....	28.60
Repairs on Tools.....	41.77
Repairs on Harness.....	120.30
Repairs on Barrels.....	323.30
Stationery and Office Supplies.....	204.90
Freight on Disinfectants.....	31.90
Telephone, office	27.15
Axle Grease	11.43
Total Expense	\$12,262.43

Number of Places Cleaned and Inspected During the Year.

		Cleaned.	Condemned.
March,	1910.....	2,167	1,883
April,	"	2,000	1,771
May,	"	1,833	1,503
June,	"	1,840	1,726
July,	"	1,622	1,403
August,	"	1,791	1,773
September,	"	1,670	1,565
October,	"	1,566	1,519
November,	"	1,572	1,411
December,	"	1,790	1,706
January,	1911.....	2,055	1,726
February,	"	1,897	1,692
Total	.....	<u>21,803</u>	<u>19,677</u>

Inventory of Live Stock, Wagons, Barrels, etc.

Wagons	6
Mules	6
Disinfectants, kegs	4
Crude Disinfectants, gallons.....	300
Sanitary Barrels, new.....	35
Sanitary Barrels, old.....	20

I mention with regret that the Scavenger Department lost two mules last year, they having died with lock-jaw.

In conclusion, I wish to state that the net earnings of the Department this year is \$5,740.32.

Respectfully submitted,

J. KENNEDY,
City Commissioner.

ANNUAL REPORT

OF

R. G. ASHE,
SUPERINTENDENT GARBAGE,

For the Year Ending February 28, 1911.

REPORT OF GARBAGE DEPARTMENT.

HOUSTON, TEXAS, March 1, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I herewith beg to submit my annual report of the Garbage Department, showing the expense of the Department for the year, from March 1, 1910, to February 28, 1911.

Expense.

Superintendence, salary	\$ 2,160.00
Labor, expense	19,758.68
Repairs and Renewals, equipment.....	17.00
Telephone	27.90
Total	\$21,963.58
Budget	16,000.00
Amount Over-expended	\$ 5,963.58
Percentage Over-expended	37.27

Respectfully submitted,

R. G. ASHE,
Garbage Superintendent.

ANNUAL REPORT

OF

J. M. RAY,
CHIEF OF POLICE,

For the Year Ending February 28, 1911.

REPORT OF POLICE DEPARTMENT.

HOUSTON, TEXAS, March 10, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—I have the honor to submit herewith the annual report of the Police Department for the fiscal year ending February 28, 1911, together with such suggestions and recommendations as, in my judgment, would benefit the Department.

The Department was under the command of former Chief of Police, George Ellis, during the fore part of the year, the undersigned succeeding him on August 23, 1910. During the year the work of the Department has been such as to deserve commendation, and the results of the year's work are set forth in the body of the report.

Absolute harmony prevails throughout the Department. The discipline of the force has been excellent, and the members of the Department have performed their arduous and trying duties in a highly creditable manner. Infractions of the rules and regulations have been infrequent.

I would not only recommend that the present strength of the Department be retained, but that same be increased from time to time, as deemed necessary to meet the requirements of the rapidly increasing city.

It gives me great pleasure to report that there has been less crime committed in the city during the past few months than ever before in the history of the city, which is not only very gratifying to the public at large, but to the officers of the Department.

A special effort has been made by this Department to free the city of all places of immorality, and the class of undesirable characters that frequent such places, and it is with pleasure I can say that the residential portion of the

city has fewer of these places, and characters, than in former years, and work will be continued along this line until the city is permanently relieved of this annoyance.

The motorcycle squad is rendering most effective service, and I consider this a valuable adjunct to our Department. Calls are frequently made by these men in remote parts of the city, with rapidity, where otherwise, on account of the great distances to be covered, answer to the call would be delayed, and the horses so tired and overworked that a return call would be very severe on the animals.

Since the introduction of the traffic ordinance the city has been greatly relieved and benefited. The congested condition of the public thoroughfares in the business portion of the city has been greatly relieved, and the public is to be congratulated for the assistance they have rendered the officers in the enforcement of this ordinance.

With reference to our Bureau of Identification, will say that I think this work of great importance and benefit to any police department. Our bureau is increasing in value each day, and where many identifications of criminals are made through this bureau since the installation of the Bertillon and Finger Print Systems, prior to the installation of these systems an identification of a criminal was almost a rarity. We now have something over eight hundred photographs of various crooks and criminals of the country on file in the bureau, and are adding to it daily. As a means of dealing with characters of this class who come under the observation of the larger police departments, the Bertillon and Finger Print Systems are of untold value. In addition to a means of identification it has a tendency to keep this class of characters from coming to the city that has these systems, knowing the result if they do.

I would recommend the purchase at the earliest possible moment of an auto patrol. The rapid territorial growth of the community has made an auto patrol all but necessary to the good of the service. The patrol wagon now in service is taxed heavily, and the early addition of an auto patrol

would very materially increase the efficiency of the Department. The automobile now in service in the Department is rendering good satisfaction, and is of valuable assistance to the Department.

It is with pleasure I report not a single public gambling house in the city, and the city in general has been relieved of this vice more the past few months than ever before in the city's history.

When the Gamewell Signaling System, now being installed by the city, is in active operation, the efficiency of the force will be very materially increased, and this system will be a powerful influence for the prevention and punishment of crime.

For more minute information relative to the activity of the Department during the year just closed I respectfully refer you to the tabulated statements which follow.

The thanks of this Department are due to His Honor, the Mayor, and to the members of the Commission for courtesies and assistance extended the Department during the past year.

Respectfully submitted,

J. M. RAY,
Chief of Police.

Arrests Made During the Fiscal Year Ending February 28, 1911.

		WHITE		COLORED		TOTAL
		Male	Female	Male	Female	
March, 1910.....		259	5	132	18	414
April, "		211	10	112	26	359
May, "		255	15	136	34	440
June, "		207	10	172	35	424
July, "		248	11	156	30	445
August, "		251	8	182	43	484
September, "		294	18	181	38	531
October, "		312	4	175	24	515
November, "		407	27	162	49	645
December, "		403	32	211	40	686
January, 1911.....		350	22	165	39	576
February, "		233	11	143	22	409
Total		3,430	178	1,927	398	5,928

Violating State Laws.

Assault	293
Assault, aggravated	44
Assault, to murder.....	89
Assault, to rape.....	3
Assault, to rob.....	1
Abusive language	99
Burglary	124
Carrying a pistol.....	56
Carrying knucks	1
Carrying a dirk.....	1
Cruelty to animals.....	15
Drunk	1,207
Disturbing the peace.....	657
Disorderly house, keeping.....	21
Disposing of mortgaged property.....	1
Embezzlement	6
Fighting	348
Forgery	30
Gaming	331
Impersonating an officer.....	1
Incest	1
Jumping trains	136
Keeping opium joint.....	1
Murder	19
Malicious mischief	2
Rape	5
Robbery	15
Robbery, by firearms.....	3
Receiving and concealing stolen property.....	1
Selling liquor without a license.....	6
Selling liquor on election day.....	1
Selling opium	1
Seriously threatening life.....	5
Swindling	6
Theft, felony	60
Theft, misdemeanor	113
Theft, from the person.....	26
Theft, of horse.....	10
Using profane language over telephone.....	1
Unlawfully wearing emblem of secret order.....	1
Vagrancy	775
Violating Sunday law.....	9
Total	4,525

Violating City Ordinances.

Automobiles, no number.....	1
Automobiles, violating speed ordinance.....	154
Automobiles, no lights.....	4
Accompanying lewd women.....	10
Bicycles, riding on sidewalks.....	10
Bicycles, no lights.....	15
Building fire on floor of hay barn.....	1
Causing a collision.....	19
Crossing a funeral procession.....	8
Driving over fire hose.....	8
Discharging firearms in the city limits.....	11
Driving over sidewalks.....	2
Driving fast over a bridge.....	1
Driving fast over streets.....	20
Failing to pay hack license.....	2
Failing to pay occupation license.....	2
Hitching on Main Street over thirty minutes.....	2
Intrusion, unlawful.....	17
Interfering with an officer in discharge of duty.....	1
Jumping street cars.....	1
Loitering in houses of prostitution.....	100
Obstructing sidewalks.....	1
Obstructing streets.....	13
Peddling without a license.....	5
Registering in hotel as man and wife, when not so...	33
Spitting on sidewalk.....	1
Street walking.....	28
Sleeping in a public place.....	5
Selling spoiled eggs.....	1
Selling adulterated milk.....	15
Turning in false fire alarm.....	2
Trains, failing to stop at street crossings.....	3
Tacking cards on telephone poles.....	2
Teams, leaving unhitched.....	66
Using horse and vehicle of another, without consent..	6
Violating Hack ordinance.....	5
Violating Building ordinance.....	1
Violating Sweeping ordinance.....	7
Violating Sanitary ordinance.....	8
Violating Article 444.....	5
Violating Bill-posters ordinance.....	8
Violating Street Car ordinance.....	4
Violating Depot ordinance.....	2
Violating Traffic ordinance.....	106
Total.....	716

Recapitulation.

Violating State Laws.....	4,525
Violating City Ordinances.....	716
United States Deserters.....	2
Suspicious Characters.....	668
Lunacy.....	17
Total.....	5,928
Number of head of stock impounded.....	2,746

Total Number of Runs Made, and Number of Miles Traveled by Patrol Wagon During the Year.

		DAY		NIGHT	
		Runs	Miles	Runs	Miles
March, 1910.....		133	237	163	274
April, "		104	200	113	204
May, "		136	237	145	266
June, "		128	217	148	272
July, "		105	173	144	274
August, "		153	230	135	330
September, "		144	208	185	384
October, "		130	218	169	331
November, "		151	233	221	397
December, "		177	268	193	383
January, 1911.....		169	253	180	313
February, "		123	217	164	262
Total		1,753	2,691	1,960	3,690

Force of the Department.

1 Chief	\$ 2,400.00
1 Assistant Chief	1,560.00
2 Sergeants	2,640.00
1 Roundsman	1,140.00
4 Clerks	4,740.00
9 Detectives	10,020.00
1 Warrant Officer	1,140.00
1 Turnkey	960.00
2 Patrol Drivers	1,920.00
16 Mounted Officers	18,240.00
4 Motor Cycle Officers.....	3,840.00
62 Patrolmen	59,520.00
1 Chauffeur	1,080.00
105..... Total	\$109,200.00

Revenue Police Department.

Month.	Fines and Cost.	Pound. Dog Tax.	Special Detail.	Other.	Total.	
Mar. 1910..	\$ 1,259.40	\$ 526.15	\$ 184.80	\$145.75	\$ 2,116.10	
Apl. " ..	1,410.00	450.55	217.50	48.25	2,126.30	
May, " ..	1,406.75	400.25	\$597.00	292.50	50.85	2,747.35
June, " ..	860.40	222.75	114.00	160.00	53.50	1,410.65
July, " ..	1,144.45	236.60	57.00	192.50	40.25	1,670.80
Aug., " ..	1,454.35	225.75	47.00	252.50	11.00	1,990.60
Sept., " ..	1,877.70	294.25	12.00	185.00	14.75	2,383.70
Oct., " ..	1,812.75	243.80	35.00	327.50	.....	2,419.05
Nov., " ..	1,903.50	198.85	35.00	182.50	32.75	2,352.60
Dec., " ..	2,170.85	812.50	8.00	175.00	3.75	2,669.90
Jan., 1911..	1,612.50	305.55	.....	165.00	43.50	2,126.55
Feb., " ..	779.90	249.10	.....	160.00	.....	1,189.00
Total...\$17,692.35	\$3,661.10	\$905.00	\$2,494.80	\$444.35	\$25,202.60	

Roster of Police Department.

Name	Rank	Date of Appointment	
Anderson, Andy.....	Patrol Driver.....	January	2, 1889
Anderson, H. W.....	Patrolman (Mounted).....	February	20, 1900
Blackshear, J. T.....	Patrolman.....	November	5, 1908
Boone, J. L.....	Detective.....	October	1, 1907
Binford, T.....	Patrolman (Mounted).....	November	21, 1908
Berner, F. E.....	Turnkey.....	May	2, 1900
Berner, E.....	Patrolman.....	December	1, 1906
Burke, C. M.....	Patrolman.....	October	1, 1910
Cain, A. J.....	Patrolman (Mounted).....	April	24, 1909
Cain, J. M.....	Patrolman.....	September	3, 1910
Cahill, M. F.....	Patrolman.....	November	13, 1891
Cooper, W. B.....	Patrolman.....	September	30, 1907
Connolly, F.....	Detective.....	September	9, 1909
Cunningham, W. G.....	Patrolman.....	January	21, 1911
Curry, Frank.....	Patrolman.....	October	20, 1910
Daniels, R. H.....	Patrolman (Mounted).....	October	6, 1910
Depenbrook, H. W.....	Patrolman.....	September	4, 1896
Eldson, J. M.....	Patrolman.....	August	26, 1910
Edwards, C. W.....	Patrolman.....	March	1, 1905
Farquhar, G. W.....	Patrolman.....	October	16, 1905
Faulkner, J.....	Patrolman.....	September	13, 1910
Frazier, Frank.....	Patrolman.....	November	1, 1910
Fuller, N. B.....	Patrolman.....	May	1, 1898
Finn, Frank.....	Patrolman (Mounted).....	March	10, 1908
Felts, J. E.....	Patrolman.....	July	1, 1906
Frederick, B. F.....	Clerk.....	December	15, 1905
Free, Joe.....	Warrant Officer.....	January	25, 1910
Gibbs, George W.....	Clerk.....	May	2, 1902
Grimstead, J. T.....	Clerk.....	December	11, 1892
Griffith, I. C.....	Patrolman (H. & T. C.).....		
Graham, H. T.....	Patrolman (Motorcycle).....	August	18, 1909
Hall, J. S.....	Patrolman.....	May	1, 1904
Hambrick, H. W.....	Roundsman.....	May	2, 1906
Hilton, G. H.....	Patrolman.....	July	7, 1909
Hodgson, William.....	Patrolman (H. & T. C.).....	May	28, 1886
Hodgkins, C. P.....	Patrolman.....	August	10, 1909
Higgins, William.....	Patrolman.....	June	17, 1910
Hill, J. F.....	Patrolman.....	July	22, 1909
Habermacher, S. M.....	Patrolman (Mounted).....	September	17, 1905
Houlihan, Jack.....	Patrolman.....	March	8, 1910
Heck, C. W.....	First Sergeant.....	December	28, 1906
Jones, F. R.....	Patrol Driver.....	May	1, 1902
Jones, C. E.....	Detective.....	September	26, 1909
Jones, O. B.....	Clerk.....	February	6, 1908
Jones, Ned (col.).....	Patrolman.....	June	4, 1894
Kessler, W. F.....	Chief Detective.....	April	19, 1896
Kennerly, J. E.....	Detective.....	November	9, 1906
Kegans, W. H.....	Patrolman (Mounted).....	December	24, 1890
Kellett, Jack.....	Chauffeur.....	August	28, 1910
Lee, J. H.....	Patrolman.....	September	1, 1910
Long, W. J.....	Patrolman.....	August	26, 1910
Lomax, C. A.....	Patrolman.....	August	17, 1910
Lockart, F. L.....	Traffic Squad (Mounted).....	April	27, 1908
Maxsey, James.....	Patrolman.....	May	13, 1909

Name	Rank	Date of Appointment
Murphy, G. L.	Traffic Squad (Mounted)	December 10, 1909
Moody, H. C.	Patrolman (Mounted)	April 20, 1908
Monroe, M. P.	Patrolman	May 1, 1906
Millisap, A. J.	Patrolman (Motorcycle)	August 19, 1909
Mitchell, F. W.	Patrolman	May 28, 1910
Mitchell, C. C.	Patrolman	October 19, 1910
Mitchell, George	Patrolman (Mounted)	January 20, 1911
McClanahan, J. T.	Patrolman (Mounted)	July 19, 1898
McBurney, W.	Patrolman	October 8, 1902
McNutt, J. B.	Patrolman	May 28, 1908
McNutt, E. P.	Patrolman	April 29, 1910
Neuman, J. F.	Patrolman	September 1, 1910
Nicholson, E. N.	Patrolman (Mounted)	August 13, 1905
Nugent, O. F.	Patrolman	January 14, 1911
O'Leary, P. D.	Patrolman	April 23, 1909
Peyton, George	Detective	August 19, 1906
Perkins, W. H.	Patrolman	May 4, 1908
Randle, V. S.	Traffic Squad (Mounted)	December 15, 1909
Ray, J. M.	Chief of Police	August 6, 1891
Robinson, D. W.	Patrolman (Motorcycle)	May 22, 1909
Reneau, T. N.	Detective	January 9, 1911
Reagan, H.	Patrolman	November 13, 1905
Shoemaker, H. D.	Patrolman	October 1, 1909
Shine, W. T.	Patrolman (Mounted)	June 17, 1910
Smith, J. M.	Patrolman	April 12, 1908
Smith, R. R.	Detective	October 1, 1905
Smith, W. H.	Detective	February 20, 1900
Stockton, W. J.	Patrolman	May 23, 1902
Settle, R. H.	Patrolman	May 8, 1909
Stone, S. P.	Patrolman	May 1, 1894
Simmons, C. J.	Patrolman (Motorcycle)	August 18, 1909
Scott, J. F.	Patrolman	January 7, 1899
Schulz, W. F.	Patrolman	August 2, 1909
Spaulding, J. S.	Patrolman	June 24, 1908
Swain, W. A.	Patrolman	April 29, 1910
Stringfellow, W. J.	Patrolman	August 2, 1910
Trimble, D. M.	Assistant Chief of Police	August 6, 1905
Toole, J. P.	Patrolman	January 1, 1910
Urban, J. E.	Patrolman	July 10, 1909
Varnell, J.	Patrolman	July 10, 1909
Williams, W. C.	Patrolman	November 1, 1904
Ward, R. L.	Second Sergeant	June 2, 1903
Wagner, H. J.	Patrolman	May 22, 1909
Way, W. W.	Patrolman	September 1, 1910
Worke, William	Patrolman	October 13, 1904
Wood, R. B.	Patrolman	May 1, 1910
White, J. H.	Patrolman	January 11, 1911
Whittington, B. W.	Traffic Squad (Mounted)	August 7, 1899
Wilson, C. M.	Traffic Squad (Mounted)	June 21, 1906
Young, W. J.	Patrolman	September 14, 1910
Young, F. L.	Patrolman	October 8, 1910

J. M. Ray appointed Chief August 23, 1910.

Comparative Statement.

	1906	1907	1908	1909	1910
Total arrests...	4,815	4,480	4,391	5,092	5,923
Stock im-					
pounded	2,767	2,461	2,529	2,836	2,746
Wagon calls....	2,482	2,772	2,441	2,898	3,713
Wagon mileage.	3,844	3,942	3,812	4,652	6,381
Pound fees....	\$ 3,641.25	\$ 3,319.65	\$ 2,994.10	\$ 3,708.55	\$ 3,666.10
Fines and costs	15,941.80	13,975.41	11,844.15	16,924.40	17,692.35
Dog tax.....	808.00	545.00	582.00	284.00	965.00
Special detail..	7,299.45	3,638.10	2,428.50	2,238.00	2,494.80

Cost of Operating the Police Department for the Year Ending
February 28, 1911.

Salaries	\$103,548.65
Patrol Wagon and Equipment.....	295.75
Live Stock	1,091.70
Repairs to Buildings.....	21.00
Repairs and Renewals of Equipment.....	1.60
Light and Heat.....	538.76
Subsistence of Prisoners.....	2,544.60
Stationery and Printing.....	270.35
Other	3,028.37
Pound	462.65
Extraordinary	64.10
Total	\$111,867.53

Comparative Statement of Revenues and Operating Expenses of the Police
Department.

Year.	Revenues.	Operating Expenses.
1901.....	\$ 9,891.90	\$ 62,274.97
1902.....	12,603.50	62,498.66
1903.....	13,407.15	58,604.97
1904.....	16,414.85	64,506.55
1905.....	20,458.55	69,446.52
1906.....	28,094.75	71,857.90
1907.....	21,676.41	72,782.67
1908.....	17,926.15	86,354.46
1909.....	23,274.70	98,656.99
1910.....	25,202.60	111,867.53

Property Stolen and Lost, Recovered and Unrecovered.

Stolen property recovered.....	\$25,865.70
Stolen property unrecovered.....	22,060.75
Total stolen property.....	\$47,926.45
Lost property recovered.....	\$ 7,213.23
Lost property unrecovered.....	1,997.15
Total lost property.....	\$ 9,210.38

Report of Detective Department for the Year Ending February 28, 1911.

Abusive language	1
Accompanying lewd women.....	4
Aggravated assault	4
Assault	20
Assault to murder.....	22
Assault to rape.....	1
Burglary	85
Carrying a dirk.....	1
Carrying a pistol.....	6
Causing a collision.....	1
Deserter	1
Distributing circulars	1
Disturbing the peace.....	25
Drunk	34
Embezzlement	4
Fighting	14
Forgery	22
Gaming	139
Horse theft	6
Keeping a disorderly house.....	9
Keeping an opium joint.....	1
Loitering in house of prostitution.....	31
Murder	9
Peddling without a license.....	1
Rape	3
Registering as man and wife.....	6
Robbery	6
Selling liquor without a license.....	2
Seriously threatening life.....	3
Suspicion	216
Street walking	7
Swindling	3
Theft	2
Theft (felony)	38
Theft (from the person).....	8
Theft (misdemeanor)	50
Unlawfully riding train.....	1
Using property without consent of owner.....	1
Unlawfully wearing button of an association.....	1
Vagrancy	281
Violating automobile speed ordinance.....	1
Violating Sunday law.....	6
Total	1,077

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ANNUAL REPORT

OF

CLARENCE R. GEORGE,
CITY ELECTRICIAN,

For the Year Ending February 28, 1911.

REPORT OF CITY ELECTRICIAN.

HOUSTON, TEXAS, February 28, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—As head of the Electrical Department, I have the honor of submitting this my annual report for the year ending February 28, 1911. This report contains a full statement of all matters pertaining to the management, extensions and improvements to the fire alarm system and the police patrol signal system now being installed, and the care and maintenance of the electrical equipment of all of the other city departments, as well as the inspection of electric wiring throughout the city.

Following your instructions for working out a modern street lighting system for the streets in the business district of the city, especially those streets occupied by the trolley lines, I wish to make the following recommendation:

ORNAMENTAL STREET LIGHTING SYSTEM.

After a thorough personal investigation of this system of street lighting I find in use throughout the North and East, as well as some cities in the South, that there are but two practical, ornamental and serviceable systems to adopt. These are the five-light series Tungsten sixty-watt incandescent lamps mounted on a cast iron standard of suitable design. These standards to be erected a certain distance apart along the curb line. The general requirements would be about six of the standards on each side of the street to each block. This system of street lighting is best adapted to streets not occupied by trolley lines.

The use of this system of ornamental lighting is best adapted to streets where all other poles have been removed and where there is no obstruction to illumination (trees

not considered an obstruction, as they are generally set some distance back of the curb line, and the lamp standard averages about twelve feet above ground).

The other system is the series alternating arc lamp that we are now using and can be used on a combination street railway and ornamental lamp post, that is, by utilizing the same poles that support the street railway trolley span wire for supporting the arc lamp bracket.

The advantage of utilizing the one pole for the two purposes is that all poles, save the street railway trolley poles, can be removed from the streets, thereby clearing the sidewalk of all such unnecessary pole obstruction.

I find that this system of street lighting in some cities has proven very satisfactory.

For the first installation of ornamental street arc lamps, I would recommend that there be three lamps to each block on each side of the street, arranged alternately so that there would be two lamps at the intersection of each street. Another advantage of the method of arranging arc lamps is that it will do away with the present method of hanging the lamps in the center of the street and will remove all wires and supporting fixtures, which are not only unsightly but dangerous.

A city that adorns its streets with this handsome decorative lighting system indicates thereby a development of refinement, progress and dignity which invariably results in the rapid advancement and growth of the city to such extent as to make the cost of installation and the maintenance thereof comparatively insignificant.

To a well paved street (such as we have in this city), there is nothing that is more useful and attractive along with good pavement than ornamental, as well as good, lighting.

I have taken this matter up with the management of the lighting company, and have been informed that they can furnish the city with either system in the business district direct from their new underground conduit system.

ELECTRIC LIGHT SYSTEM UNDERGROUND.

During the past year the Houston Lighting and Power Company have completed their conduit system in the business district and are now engaged in pulling in their cables, which, when completed, will allow for the removal of all poles and overhead wires in the district covered by the underground system owned by this company.

OTHER UNDERGROUND CONDUIT SYSTEMS.

The underground conduit system, originally laid by the Citizens' Telephone Company, has been taken over by the Houston Home (Automatic) Telephone Company, and they have since extended the system so that they cover the business district to such an extent that there will be no necessity for their having to set poles.

This company is also extending their conduit system throughout the fire limits, and it is their intention to build their plant with as few poles as possible.

The Southwestern Telephone and Telegraph Company have extended their underground conduit system so that they will be able to remove all poles in the business district within the next few months; they have also extended their system on Texas Avenue to Harrisburg Road and on Washington Avenue to a point beyond the city limits, and are now preparing to extend the system to Hyde Park.

The removal of their pole lines has been very beneficial to the improvement as to looks on the streets, and has removed the danger on certain streets from the overhead wires.

I have been informed by the management of several of the wire service companies that it is their intention to remove as much of their overhead wires and cables as possible each year, as it has been found that the underground system affords better service and is more economical to maintain.

CITIZENS' TELEPHONE COMPANY.

In my last annual report I reported the dangerous condition of the poles and wires belonging to this company, which has since gone out of business.

Shortly after making this report, I found that for the safety of the public it would be necessary for this department to organize a crew of competent linemen to remove such poles and wires of this company from the streets as were found almost ready to fall down, and this included about ninety per cent of the total poles and wires of their plant.

As stated above, this company had discontinued business; there was no one to take care of their dangerous wires; it was almost a daily occurrence that some one called this department, reporting that wires of the Citizens' Telephone Company were falling in the streets.

Knowing the condition of these poles and wires, and the damage liable therefrom to the public, I kept a man ready at all times to go and remove the danger.

The total cost during the year incurred for the removal of these poles and wires was \$1,431.75.

The plant of this company has since been taken over by the Houston Home (Automatic) Telephone Company, which is now removing the poles and wires.

UNDERGROUND CABLE FOR FIRE ALARM AND POLICE PATROL.

All plans have been prepared and material on hand for placing our fire and police wires underground in the business section of the city. These cables would have been pulled in during the past summer, but the company's conduit system, into which we were to pull them, was in such condition that it was necessary for them to reinforce the system to make room for more duct space; hence the delay.

I am in hopes that I will be able to start this work within the next few weeks, and push the system to completion.

REMODELING FIRE ALARM AT CENTRAL OFFICE.

During the past year it has been necessary to enlarge the office to care for the additional switchboards and police patrol system now being installed.

The following additional apparatus having been installed:

One 24-circuit protector board.

One 12-circuit storage battery switchboard.

Two 4-pen Suren punching registers.

One 6-signal patrol circuit, with two private circuits and 12-flashlight circuits police system desk switchboard.

Two new battery racks, with 260 cells of battery.

The 14-circuit manual alarm transmitter that we have been using on the first floor of the Central Fire Station was sent to the factory for rebuilding. This instrument has since been returned and is now in service in the Central Fire Alarm Office.

The following is a statement of the new fire alarm signal boxes, extension of new lines, and rebuilding of old lines. It was necessary during the past year to change the route of quite a number of our lines, on account of the removal of telephone poles owned by the two companies, and on account of the deteriorated condition of some of the wires that have been in use for the past twenty years. These wires have become unsafe and are expensive to maintain.

All of the new wires run for the police system and the fire alarm system rebuilding and extension is a make of wire known as Copper-clad wire. This wire has a conductivity of 40 per cent copper and 60 per cent steel, No. 10 B&S Gauge, which gives the service a much smaller wire, with better conductivity, than heretofore used, and more economical to maintain.

The new wires run from Smith Street on Dallas-San Felipe to Arthur. Two new wires run on Heiner from San Felipe to City Stables. Two new wires on Smith from Dallas to McKinney, on McKinney to Brazos; $1\frac{1}{4}$ miles, 335 pounds.

One wire on Rusk from Chartres to St. Charles, on St. Charles to McKinney, from St. Charles to Chartres on Mc-

Kinney. One wire from San Jacinto to Caroline on Texas, on Caroline to Rusk, on Rusk to Crawford, on Crawford to No. 8 Engine House. One wire on Texas from LaBranch to Crawford, on Crawford to Rusk, on Rusk to Jackson; 2 miles, 536 pounds.

One wire from Main to Caroline, on Caroline to McGowen, on McGowen to Austin, back on McGowen to San Jacinto, on San Jacinto to Berry, on Berry to Louisiana, from Louisiana on Stewart to Hawthorne and Flora, on Hawthorne to Smith, on Smith to Elgin, on Elgin to Louisiana, on Louisiana to Tuam, on Tuam to Albany. Two new wires on Pease from Caroline to Austin; 2 miles, 536 pounds.

One gong wire from Caroline to Rusk, on Caroline to McGowen, on McGowen to Milam, on Milam to No. 7 Engine House, back on Milam to McGowen, on McGowen to San Jacinto, on San Jacinto to Berry, on Berry to Louisiana, on Berry to San Jacinto, on San Jacinto to McGowen, on McGowen to Crawford, on Crawford to Rusk, on Rusk to Austin. Total amount of wire used in circuit, 554 pounds.

One new wire on Jefferson from St. Emanuel to Chenevert, on Chenevert to Pierce; $\frac{1}{4}$ mile, 82 pounds.

One wire from No. 8 Engine House to Drew, on Drew to Jackson, on Jackson to Dennis. One mile in circuit, 268 pounds.

One wire on Washington from Houston Avenue to Sabine, on Sabine to State, on State to Henderson; one mile in circuit, 268 pounds.

One wire on Preston from Smith to Washington, on Washington to Taylor, on Henderson from Washington to Railroad; one mile, 268 pounds.

One new wire on Houston Avenue from Washington to Edwards, on Edwards to Silver, on Edwards to Colorado, on Colorado to Bingham, back on Bingham to Edwards, on Edwards to Houston Avenue, to Crockett, back to Winter, on Winter to Taylor, from Houston Avenue and Spring; one wire to Summer, on Summer to White, on White to Spring, on White to Summer. Two wires on Houston from Alamo to North, on North to Beauchamp, on Beauchamp to

Highland, and installed Box 153 on Highland and Beauchamp; 3 miles, 704 pounds.

One new wire on Congress to Milam, from Fannin; 3 blocks, 60 pounds.

One new wire on Providence from Walnut to Hardy, on Hardy to Loraine, on Loraine to Hogan, on Hogan to Montgomery, on Montgomery to Harrington, to Chestnut. Back on Fletcher to Montgomery, on Montgomery to Wood. Two new wires on Noble to Hardy from Terry. Two new wires on Loraine from Hardy to Maury. Total wire used in this circuit, 6¼ miles, 1,675 pounds.

One new wire on Wood from Montgomery to Walnut, through G. H. & S. A. Ry. yards to Hill Street. Two new wires on Hill Street from Nance to Foot. Two new wires from S. P. R. R. on Carr Street to Sumpter; 3¾ miles, 1,029 pounds.

Two new wires on Artesian Place from Preston to Water Works; Two new wires on Preston to Washington, on Washington to Houston. Took down two old wires on Artesian Place and Preston to Water Works. Also took down wires from Preston to Washington, on Washington to Houston Avenue. New wire, 1½ miles, 204 pounds.

One wire on Rusk, from Jackson to Chartres. Two wires on Chartres from Rusk to Texas Avenue; 1 mile, 268 pounds.

Run two new wires on Crawford from Drew to Elgin, on Elgin to Chenevert; 1 mile, 268 pounds.

Replaced one old wire with new, on Caroline from Gray to McGowen, on McGowen to Austin, back on McGowen to Caroline, thence to Anita.

NEW FIRE ALARM BOXES INSTALLED.

Box.	Location.	Box.	Location.
153	Beauchamp and Highland.	363	Main and Rusk.
*224	Lyle and Pine.	433	Louisiana and Berry.
	Hartwell Iron Works.	* 58	Sterrett and Williams.
253	Sampson and Preston.		Bute's warehouse.
*219	Ho. El. Co. powerhouse.	535	Campbell and Hardy.
*351	Chenevert and Elgin.	* 74	Henke & Pillot.

* Indicates Private Boxes paid for by parties named.

° Box 351 moved from Jackson and Calhoun to Elgin and Chenevert.

POLICE PATROL BOXES INSTALLED.

Three wires run from Austin to Crawford on Rusk, out Crawford to Jefferson, down Jefferson to Broadway; amount of wire used, 6 miles, 1,608 pounds.

Three wires run on Caroline from Rusk to McGowen, on McGowen to San Jacinto, on San Jacinto to Berry, on Berry to Main; 5 miles, 1,340 pounds.

Three wires run from Smith on Preston to Washington, out Washington to Southern Pacific tracks. Four wires on Houston Avenue from Washington to Winter; 6 miles, 1,608 pounds.

Three wires on Montgomery from Wood to Hogan, down Hogan to Marion; 4 miles, 1,072 pounds.

Four wires run on Arthur from San Felipe to Hardcastle; four wires on Andrews from San Felipe to Meyers; 2 miles, 536 pounds.

Three wires on Wood from Montgomery to Walnut, out Walnut to Providence, out Providence to Semmes, on Semmes to Odin, on Odin to McMillan; four wires on Carr from Odin to Loraine, on Loraine to Clark; three wires on Carr from Odin to G. H. & S. A. Ry., down G. H. & S. A. Ry. to Meadow, on Meadow to Cline. Wire used, 9½ miles, 2,546 pounds.

Three wires on Walker from Travis to Smith, on Smith to Dallas, to San Felipe, out San Felipe to Wilson; 3½ miles, 968 pounds.

Three wires on Franklin from Caroline to I. & G. N. R. R.; thence to Commerce, on Commerce to Sampson, down Sampson to Engelke; three wires on Sampson to Harrisburg Road, out Harrisburg to Milby; 6½ miles, 1,742 pounds.

Box.	Location.	Box.	Location.
13	Washington and Eighth.	56	Conti and Semmes.
151	Houston and Winter.	57	Conti and Hardy.
313	Caroline and Bell.	512	Odin and McMillan.
331	McGowen and San Jacinto.	517	Montgomery and Hogan.
412	San Felipe and Heiner.	529	Cline and Meadow.
433	Main and Berry.	532	Clark and Loraine.
461	Arthur and Hardcastle.	561	Hogan and Marion.
464	San Felipe and Wilson.	62	Washington and Young.
51	Liberty and Walnut.	69	Chaneyville.
52	Liberty and McKee.	463	Howard and Lamb.
53	Montgomery and Wood.		

APPROXIMATE VALUATION OF THE FIRE ALARM SYSTEM.

The following figures show an approximate valuation of the fire alarm system:

All Engine House Equipment (electrical).....	\$ 4,355.25
Outside Construction, Signal Boxes, Poles and Other Fixtures	35,650.44
Central Office Equipment and Furniture.....	11,734.00
Horse, Buggy and Automobile.....	1,525.00
Total	\$53,264.69

The above figures do not include apparatus and instruments that have been installed and not put in actual service.

The total number of fire alarm signal boxes is 141—city 122, and private 19.

EXPENSE OF THE DEPARTMENT.

The following figures will show the expense of the department—with the improvements, betterments, additions and extension of the system covered in the item of extraordinary:

Salary, Superintendent	\$ 1,800.00
Salary, Inspector	1,255.00
Repairs and Renewals to Fire Alarm, including Salary of Lineman and extra Labor.....	3,618.29
Other Expense	2,007.37
Total Ordinary	\$ 8,680.66
Extraordinary	30,462.10
Grand Total	\$39,142.76

ELECTRICAL INSPECTION.

This branch of the department, which requires careful attention on account of the rapid growth and extension of the city, with so many new buildings under construction, all of which are being wired for electric light, including the large buildings in the business section, is now cared for by two inspectors; i. e., one regular and one extra inspector.

Number of Permits Issued for Electric Wiring.....	1,628
Number of Permits Issued for Electric Service.....	1,363
Number of Permits to Set Poles.....	75
Number of Poles Inspected.....	534
Revenue from Inspection and Others.....	\$3,633.60

**CARE AND INSTALLATION OF ELECTRICAL EQUIPMENT FOR
OTHER DEPARTMENTS.**

This department has made all installations and maintained same in all of the other departments of the city government, including the Auditorium exterior lighting. The conduit and wiring system of this building was installed by contract.

We have installed on the Auditorium ten solid bronze lighting fixtures, each containing a cluster of eight lamps. We have erected sixteen cast iron ornamental lamp standards with five lamps each on the outer edge of the sidewalk around the building.

In the Water Works pumping station we have installed a new switchboard for the isolated lighting plant.

At the main entrance of the City Hall we have erected four cast iron ornamental lighting standards with five lamps each.

Wired and installed lighting fixtures in new Engine House No. 2, located at Preston Avenue and Sampson Street.

Installed one street arc lamp at the entrance to the yard of the Water Works plant and supplying service to this lamp from the dynamo at the water plant, thereby making a saving to the city of one arc lamp per year.

Erected temporary lights for the concerts at Sherman school.

Decorated City Hall for the annual carnival.

RECOMMENDATIONS.

As I have made all preparations for handling fire alarms manually by operators, I wish to recommend that I be allowed to rearrange all of our instruments for more rapid transmission of both manual and automatic alarms. By this change we will be able to handle all alarms within about one-half of the time now consumed; the cost for this rearrangement will be very small.

I wish to recommend that we extend our lines and install fire alarm signal boxes to those parts of the city that have grown beyond this valuable public service.

Since this department has been furnished with an automobile for making quick runs in repairing troubles on the fire alarm and police wires it has proven of untold value, and has enabled me to dispose of one horse and buggy. At present the regular electrical inspector is using a horse and buggy, and the extra inspector a motorcycle. I find that the use of the motorcycle has proven so satisfactory, I wish to recommend that a small automobile runabout be provided for the regular inspector, and the horse and buggy be disposed of. This will increase the efficiency of the inspectors, as the territory and growth of the city is too much for a horse and buggy.

I wish to recommend that the budget allowance for this department for the year 1911 be \$8,500.00 for the operation and maintenance of the fire and police signal systems.

CONCLUSION.

In concluding this report, I wish to thank you for the assistance you have given me in handling my department and the discharge of my duty, and I assure you that with your assistance I have been able to place this city's electrical department second to none of the same population, and far above some cities of double the population.

I wish to thank the Commissioners for their assistance and assure them that this department is ready at all times to render whatever service required. I also wish to thank Chief Ollre of the Fire Department, who has at all times shown a disposition to assist this department in whatever request we have made upon him or his men.

Very respectfully submitted,

CLARENCE R. GEORGE,
City Electrician.

ANNUAL REPORT

OF

**HOUSTON LYCEUM AND
CARNEGIE LIBRARY**

For the Year Ending February 28, 1911.

REPORT OF HOUSTON LYCEUM AND CARNEGIE LIBRARY.

HOUSTON, TEXAS, March 1, 1911.

TO THE HON. H. B. RICE,
Mayor of the City of Houston.

DEAR SIR:—The Library has shown a substantial growth during 1910. This year there were added by purchase 2,542 volumes; by purchase Meldrum Fund 247; by gift 355; making a total of accessions 3,144 volumes. The number of volumes now in the Library is approximately 32,000.

There were circulated 90,988 volumes from the main Library, a considerable increase over the circulation of last year. Of these, 25,877 volumes were from the children's department. The Library endeavors to increase the use of books for studious purposes, and a circulation of 25 per cent, a slight gain over last year, was made in books other than fiction.

The general reading room is daily visited by several hundred people, but it is impossible to keep track of the exact number of readers. In 1910 the reading room received 172 magazines, of which 112 are paid subscriptions and 60 gifts. Newspapers from New York, Chicago, St. Louis, Boston, New Orleans, San Antonio, Galveston and all local ones are on file. An effort is made to get and preserve all publications of local interest or locally published.

The extent to which a public library is used by the general public is frequently best indicated by the number of card holders. There were received during 1910, 2,802 applications for the privilege of borrowing books, making a total of 11,951 active card holders. Of the new registrations 821 were men, 1,133 were women and 848 were children.

To show the classes of people by whom the Library is principally used statistics of occupations were kept. Of those registering their occupations, there were: manufacturers 9, merchants and business men 48, bankers and brokers 4, real estate and insurance men 32, mechanics 31, trades 68, farmers and stockmen 5, railroad employees (not clerks) 19, engineers 18, artists and musicians 15, newspaper men 8, teachers 92, physicians 13, clergymen 6, lawyers 9, other professions 13, stenographers and clerks 384, salesmen 28, collectors 11, miscellaneous 40.

As usual books have been loaned to distant schools, and to the Settlement House. Over a thousand volumes have been sent out in this way, and they have been circulated by the teachers. A small deposit has been placed in Woodland Heights under the direction of the Woman's Club there.

A new undertaking has been started this year in the beginning of a picture collection. In connection with the stress laid by the schools on visual instruction, this collection will be useful to the teachers in work in geography, history, and literature. Much of the cutting and mounting is being done by the primary children under the supervision of the primary supervisor, Miss Peck. The collection will also include pictures of famous men, artists, and their works and illustrations, and will be of value to students, club women and newspapers, as well as to the school children.

Every day a great many people come to the Library seeking information on various subjects, and an effort is made to satisfy all serious inquiries. The range of inquiries is very wide, and a few examples of the subjects on which information is sought are dairy inspection, house building and decoration, flying machines, import and export duties in foreign countries, stream measurements, initiative and referendum, Texans enlisted in the Spanish-American war, diseases of domestic animals, president's cabinet, cuts of meat for a civil service packing house examination, the fatalism in Virgil's poetry, and whether the president of the United States could vote. There are almost daily calls for information on fig raising, citrus fruits, resources, minerals and

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climate of Texas; Houston, its history and form of government.

The colored branch, for which an appropriation of \$500.00 was made, has had good use. Over four thousand books, principally children's books, have been loaned.

The treasurer's annual report for the year ending April 30, 1910, is as follows:

RECEIPTS.

May 1, 1909, To Balance in Hands of Treasurer....	\$ 585.06	
To Balance in Hands of Librarian....	22.73	
To City of Houston Appropriation.....	8,666.70	
To Club-room Rental.....	162.50	
To Fines and Dues (col'd by Librar'n)	519.92	
To Duplicate Rent Collec'n by Librar'n	232.90	
To Lost Books Paid for.....	42.73	
To Sundries	66.05	
Total		\$10,296.59

EXPENDITURES.

By Salaries	\$ 4,127.90	
By Janitor Salary.....	600.00	
By Colored Branch, Salaries and Books.....	446.00	
By Lights	155.90	
By Fuel	137.05	
By Telephone	78.00	
By Shelving and Furniture.....	671.96	
By Stationery and Supplies.....	253.95	
By Books and Periodicals.....	2,233.49	
By Binding and Rebinding.....	485.90	
By Building Supplies.....	87.80	
By Freight, Express and Cartage.....	121.99	
By Plumbing	101.90	
By Miscellaneous	400.72	
By Balance in Hands of Treasurer.....	364.25	
By Balance in Hands of Librarian.....	26.67	
Total		\$10,296.59

Respectfully submitted,

JULIA IDESON,
Librarian.

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OF

MAYOR'S ANNUAL MESSAGE

AND

REPORTS OF OFFICERS

For the Year Ending February 28, 1911.

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